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ABSTRACT

This report abstracts and summarizes seventy-eight Indiana research and development projects funded in 1977 with moneys allocated by parts C and D of the 1968 Vocational Education Amendments. The projects are grouped into the subject categories of innovative approaches, needs assessment, performance-based vocational education (PBVE), placement and follow-up, program improvement, regional communication, and state services and products. Within categories, the projects are alphabetized by county. Each project's abstract contains the project title and number, the name of the contact person, the developing county and school's name and address, total budget costs, grade levels, products developed, descriptors from the ERIC (Educational Resources Information Center) Thesaurus of Descriptors, and ED numbers when available. Each abstract also includes a summary of the project objectives, the procedures used to reach those objectives, and, in most cases, the project outcomes. Four separate indexes list (1) agencies and school corporations funded, (2) cities and counties in which the projects were based, (3) Indiana State Board of Vocational and Technical Education project numbers, and (4) subject by descriptor. (Author/JH)

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INFORMATION SERIES NO. 9
PROJECT ABSTRACTS

Vocational Education Research and Exemplary Projects in Indiana, 1977

edited by

Nancy E. Steenhausen

U S DEPARTMENT OF HEALTH, EDUCATION & WELFARE
NATIONAL INSTITUTE OF EDUCATION

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August 1979

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INFORMATION SERVICES PROJECT

UNDER CONTRACT WITH: **STATE OF INDIANA STATE BOARD OF VOCATIONAL AND TECHNICAL EDUCATION (SBVTE)**
401 Illinois Bldg., 17 West Market Street
Indianapolis, IN 46204

SBVTE project number: 82-77-III-12
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CONTRACTOR: Indiana University/Bloomington

PROJECT STAFF: Elaine G. Eigeman, *Editor*
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ABSTRACT

This report abstracts and summarizes 78 Indiana research and development projects funded in 1977 with monies allocated by parts C and D of the 1968 Vocational Education Amendments.

The projects are grouped into the subject categories of: innovative approaches, needs assessment, performance based vocational education (PBVE), placement and follow-up, program improvement, regional communication, and state services and products. Within categories the projects are alphabetized by county.

Each project's abstract contains the project title and number, the name of the contact person, the developing county and school's name and address, total budget costs, grade levels, products developed, descriptors from the *ERIC Thesaurus of Descriptors*, and ED numbers when available. Each abstract also includes a summary of the project objectives, the procedures used to reach those objectives, and, in most cases, the project outcomes.

Four separate indexes list: (1) agencies and school corporations funded, (2) cities and counties in which the project were based, (3) SBVTE project numbers, and (4) subject by descriptor.

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FOREWORD

The Vocational Education Act of 1963 and the Vocational Education Amendments of 1968 placed emphasis on research and development activities for the purpose of improving vocational education programs. Indiana's management system to implement research and development activities and disseminate the results of these activities is coordinated by Ed Hornback.

This report is a part of the state's effort to disseminate the results of research and development activities. It abstracts and synthesizes research and development projects conducted pursuant to State Board of Vocational and Technical Education grants during fiscal year 1977. It outlines the types of research and development that have been supported in Indiana. The outcomes of these projects have been valuable resources to vocational educators in the state; information about them can also be useful to educators in other states.

You are encouraged to contact the Vocational Education Information Services at Indiana University if you wish more information about Indiana's R and D dissemination activities.

Don K. Gentry
Executive Officer/State Director
of Vocational Education

INTRODUCTION

This report is a collection of project abstracts that summarizes research and development projects funded in 1977 by the State Board of Vocational and Technical Education (SBVTE) with monies from parts C and D of the 1968 Vocational Education Amendments.

The project abstracts are grouped into subject categories and are listed alphabetically within categories by county.

The abstracts include basic project information, descriptors from the *ERIC Thesaurus of Descriptors*, and ED numbers when available. The descriptors give the reader a quick summary of the subjects covered in the project and were used to construct the subject index. The ED numbers indicate that the project's product is included in the ERIC system and can be ordered from the ERIC Document Reproduction Service.

The abstracts also summarize project objectives, the procedures used to reach those objectives, and, in most cases, the project outcomes.

The indexes are organized (1) by agencies or school corporations funded, (2) by cities and counties where the projects were based, (3) by SBVTE project numbers, and (4) by subject.

Readers who are interested in obtaining more information about projects abstracted in this report are urged to contact the person listed in the abstract.

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TITLE: DESCRIPTION AND PREDICTION OF SUCCESS IN VOCATIONAL EDUCATION

PROJECT #: 5-77-C-13

Marion County

CONTACT: *Lance E. Trexler*
MSD of Wayne Township
1220 S. High School Rd.
Indianapolis, IN 46241
Phone: (812) 243-8251

BUDGET:

Local	$ 1,725
St/Fed	17,766
Total	$ 19,491

DESCRIPTORS: *neurology, performance factors, performance tests, physiology, predictive measurement, vocational adjustment, vocational aptitude, vocational education*

LEVEL(S): *secondary*

PRODUCTS: *final report*

OBJECTIVES:

1. Identify the differences between students who are doing well and students who are doing poorly in personal service or mechanical/technical training programs by using psychological tests.
2. Determine the patterns of strengths and weaknesses of skills and abilities needed to perform well in personal services or mechnical/technical training programs.
3. Provide information on appropriate vocational choices given a pattern of test results.

PROCEDURES AND OUTCOMES:

A sample of 150 students from vocational programs throughout the state was selected on the basis of an instructor performance rating. The top and bottom third of the students in the original sample were selected as subjects for the psychological tests. The tests covered: manual dexterity, psychomotor and motor efficiency, visual scanning, receptive and expressive language, tactile sensing efficiency, and abstract and conceptual thinking. Those students who rated high on the instructor performance rating were compared with those who performed poorly on the psychological tests.

This project provided an alternative method for determining students' vocational direction, and it began defining the skills needed to succeed in vocational training.

TITLE: IDENTIFYING INNOVATIVE APPROACHES FOR INCREASING FEMALE ENROLLMENT IN VOCATIONAL EDUCATION

PROJECT #: 5-77-C-12

Monroe County

CONTACT: *Marianne H. Mitchell*
Indiana University
Smith Research Center
Bloomington, IN 47405
Phone: (812) 337-9118

BUDGET:

Local	$
St/Fed	10,238
Total	$ 10,238

DESCRIPTORS: *counseling effectiveness, counselor training, equal education, females, preservice education, sex discrimination, vocational counseling*

LEVEL(S): *secondary postsecondary*

PRODUCTS: *final report*

OBJECTIVES:

1. Identify innovative methods of training school counselors to recognize vocational education as a career option for women.

2. Describe and demonstrate these innovative methods to other counselor education programs in the state.

PROCEDURES AND OUTCOMES:

A project advisory committee was appointed to assist in the development of a training model and to monitor and evaluate the project's progress. A review of the literature was conducted in an attempt to find previously designed approaches to increasing awareness of vocational opportunities for women. The project staff and consultants attended a three day workshop where they identified, reviewed, and evaluated possible techniques of incorporating counselor awareness of the career opportunities vocational education offers women into preservice training.

The project results increased preservice counselors' awareness of the career opportunities vocational education offers women.

TITLE: SEX-STEREOTYPING: ANALYSIS OF STUDENTS ENROLLED IN VOCATIONAL PROGRAMS

PROJECT #: 5-77-C-7

Tippecanoe County

CONTACT: *Betty A. Sawyers*
Purdue University
Home Economics Education, SCC-F
West Lafayette, IN 47907
Phone: (317) 494-8026

BUDGET:

Local	$
St/Fed	9,354
Total	$ 9,354

DESCRIPTORS: *enrollment influences, intelligence differences, sex differences, sex stereotypes, vocational education, vocational maturity*

LEVEL(S): *secondary*

PRODUCTS: *final report*

OBJECTIVES:

1. Analyze currently existing enrollment patterns in the state's area vocational schools by sex.

2. Determine how differences in IQ, academic achievement, vocational maturity, and the home affect stuents' enrollment in vocational programs where the predominant sex is the same and in programs where the predominant sex is opposite.

PROCEDURES AND OUTCOMES:

The study used area vocational schools, which had (1) three or more vocational service areas, (2) at least one service area that was classified as traditionally male oriented, and (3) at least one service area that was classified as traditionally female oriented, to get a random sample of 50 male and 50 female students. The project staff administered tests which measured the students' scholastic abilities, determined their vocational maturity, and identified factors that influenced their career choices. They also questioned guidance personnel about vocational programs available, student recruitment practices, and admission requirements.

The study results provided evidence that a student's personal feelings and home environment contribute to the problem of sex stereotyping.

TITLE: COMPARISONS OF HIGH SCHOOL SENIORS ENROLLED IN VOCATIONAL BUSINESS AND COLLEGE PREPARATORY PROGRAMS BY RACE

PROJECT #: 45-77-III-2

Tippecanoe County

CONTACT: *J.P. Lisack*
Purdue University
Office of Manpower Studies, SCC-A
West Lafayette, IN 47907
Phone: (317) 949-8579

BUDGET:

Local	$
St/Fed	3,093
Total	$ 3,093

DESCRIPTORS: *college bound students, comparative analysis, interschool communication, noncollege preparatory students, racial attitudes, racial differences*

LEVEL(S): *secondary postsecondary adult employer employee*

PRODUCTS: *final report**

OBJECTIVES:

1. Compare the characteristics and plans of high school seniors by type of program enrolled in.
2. Compare the characteristics and plans of high school seniors by race.
3. Develop more effective programs by sharing the study results with educators and administrators.

PROCEDURES AND OUTCOMES:

The project director reformated previously collected data to fit the needs of this study. He grouped demographic information and personal characteristics of seniors enrolled in vocational, business education, and college preparatory programs and compared the information by grade average, sex, race, type of program enrolled, plans after graduation, career choice, characteristics of head of household, and other influential factors.

The project found that (1) more than 75% of the students enrolled in vocational programs were male, (2) about 75% of the students enrolled in business education programs were female, and (3) enrollment in college preparatory programs was 50% male and 50% female. It also found that slightly higher proportions of Black and Spanish-American students were enrolled in vocational and business education programs.

*ED 156 863

TITLE: MULTI-COMMUNITY OCCUPATIONAL NEEDS SURVEY

PROJECT #: 5-77-C-9

Cass County

CONTACT: *Joan E. Watts*
El-Tip-Wa Area Vocational School
Box 626, 721 N. Sixth St.
Logansport, IN 46947
Phone: (219) 722-3811

BUDGET:

Local	$
St/Fed	5,000
Total	$ 5,000

DESCRIPTORS: *community surveys, cooperative education, employment opportunities, employment trends, handicapped, needs assessment, occupational surveys*

LEVEL(S): *secondary*

PRODUCTS: *final report*

OBJECTIVES:

1. Develop a profile of occupations in the community and determine the number of people employed in each occupation.
2. Collect information about future employment opportunities.
3. Determine the education level of those presently employed and the level employers want in the future.
4. Identify community educational resources.
5. Identify potential cooperative education/training stations.
6. Identify training stations and employment opportunities for the handicapped.

PROCEDURES:

The project staff developed a survey instrument, conducted a test run, and requested reactions. The instrument was changed, as reactions indicated, and mailed to employers in the area. Employers who did not respond to the mailed survey were contacted by phone and in person. The data collected were correlated, submitted to the advisory committee, and disseminated to local industries.

TITLE: ANALYSIS OF THE EMPLOYMENT NEEDS FOR SBVTE AREA 34

PROJECT #: 5-77-C-11

Fayette County

CONTACT: *Paul Ridenour*
Connersville Area Vocational School
1000 Ranch Rd.
Connersville, IN 47331
Phone: (317) 825-0521

BUDGET:

Local	$
St/Fed	8,047
Total	$ 8,047

DESCRIPTORS: *advisory committees, area vocational schools, employment opportunities, manpower needs, needs assessment, program development, program evaluation*

LEVEL(S): *secondary postsecondary adult employer*

PRODUCTS: *final report*

OBJECTIVES:

1. Identify the agriculture, business and office, food service, health occupations, and trade and industry jobs available in SBVTE Region 34.

2. Determine the number of employees in the area, the occupational areas in which they are employed, the number of new employees hired in the past year, the areas in which new employees worked, the employment qualifications of new employees, the level of education required for available jobs, and the projected employer needs for the next five years.

PROCEDURES AND OUTCOMES:

The project director selected individuals with expertise in the occupational areas chosen for study and formed a team. This team prepared: (1) a survey instrument, (2) an interview procedure, (3) evaluation instruments, and (4) a comparison instrument for data analysis. An advisory committee composed of representatives from industry, agriculture, business, health occupations, and food service critiqued the process used to conduct the study and analyzed the study results.

This project developed a means for vocational educators to assess the region's manpower needs.

TITLE: DEVELOPMENT OF A REGIONAL MANPOWER INFORMATION SYSTEM

PROJECT #: 5-77-C-17
continued as #32-77-C

Floyd County

CONTACT: *Charles E. Fields*
New Albany-Floyd County School Corp.
802 E. Market St.
New Albany, IN 47150
Phone: (812) 945-6681

BUDGET:

Local	$
St/Fed	16,600
Total	$ 16,600

DESCRIPTORS: *data bases, evaluation methods, job skills, manpower needs, program coordination, program improvement, regional planning*

LEVEL(S): *secondary postsecondary adult employer employee*

PRODUCTS: *final report**

OBJECTIVES:

1. Assess local employment needs by type and level of skill required for employment.
2. Determine the need for additional training of persons presently employed.
3. Develop a data base of occupational employment needs within the region.
4. Compare vocational education programs now offered in the region with regional manpower needs.

PROCEDURES AND OUTCOMES:

A regional advisory council was formed, and its members organized committees to represent business and industry within the region. The project staff developed a format for the data collection instruments, and each committee adapted the instrument to fit the needs of the industry it represented. After pilot testing the instruments, the advisory council and industrial committee members conducted regional meetings and made personal contacts to facilitate the acceptance of the project. The project staff used the data collected through the surveys to identify employment needs by skill and type.

The project developed a model which described the methods used to organize a skill-oriented need assessment so others can implement similar projects.

*ED 160 766

TITLE: PROGRAM EVALUATION UTILIZING NEEDS ASSESSMENT

PROJECT #: 104-77-III-1

Grant County

CONTACT: *Roger Jessup*
Mississinewa Community Schools
424 W. Main St.
Gas City, IN 46933
Phone: (317) 674-2363

BUDGET:

Local	$ 4,250
St/Fed	31,030
Total	$ 35,280

DESCRIPTORS: *consultants, educational planning, material development, measurement techniques, needs assessment*

LEVEL(S): *secondary postsecondary adult*

PRODUCTS: *final report*

OBJECTIVES:

1. Develop instructional materials which aid local schools in conducting needs assessment surveys.
2. Distribute the instructional materials to local schools before they begin planning new programs.
3. Assist local schools in compiling and analyzing the survey data.

PROCEDURES AND OUTCOMES:

The project director consulted with local and state administrators before developing guidelines for local planning. He then compiled a statistical profile of the region's population, labor force, and students. The profile was used as an example for others to follow when they assessed area needs.

The materials developed in this project can be distributed statewide to provide a uniform system of program development.

TITLE: AN INNOVATIVE APPROACH TO IDENTIFYING LOCAL EMPLOYMENT OPPORTUNITIES FOR STUDENTS

PROJECT #: 6-77-D-2

Kosciusko County

CONTACT: *Richard M. Wysong*
Lakeland Community School Corp.
P.O. Box 276
Syracuse, IN 46567
Phone: (219) 457-3147

BUDGET:

Local	$ 1,050
St/Fed	4,350
Total	$ 5,400

DESCRIPTORS: *employment opportunities, manpower needs, public relations, school community relationships, vocational counseling, vocational placement*

LEVEL(S): *secondary employer*

PRODUCTS: *final report*

OBJECTIVES:

1. Obtain an accurate list of local job opportunities.
2. Identify personnel to contact about opportunities for student employment.
3. Establish better relations between business and industry and the schools.
4. Expand counselors' knowledge of local job opportunities.

PROCEDURES AND OUTCOMES:

The project established an advisory committee and evaluated the coop's current operating procedures. It developed instruments to be used in obtaining information about local job opportunities and sent them to local employers.

The project provided students and counselors with information about local job opportunities. This data helped students decide what area of study would be most beneficial in getting a job, and it helped counselors direct students toward studying in areas where employees are needed.

TITLE: IDENTIFYING LOCAL EMPLOYMENT POTENTIAL AND NEEDS

PROJECT #: 6-77-D-9

Lake County

CONTACT: *Glen L. Eberly*
Lake Central School Corp.
Box 336
St. John, IN 46373
Phone: (219) 365-8553

BUDGET:

Local	$ 2,200
St/Fed	3,610
Total	$ 5,810

DESCRIPTORS: *employment potential, information storage, job placement, manpower needs, school community relationship, vocational followup*

LEVEL(S): *secondary postsecondary adult*

PRODUCTS: *final report*

OBJECTIVES:

1. Identify local businesses and industries and their personnel directors.
2. Determine what employee characteristics they desire.
3. Match student profiles with job profiles.

PROCEDURES AND OUTCOMES:

The project staff contacted municipal offices in the area to help in identifying local businesses and industries. They personally contacted each business identified and constructed employment profiles of the potential employees.

The guidance department served as a depository for all the data collected, and it acted as a clearinghouse for contacts from both directions. The project staff kept in touch with former students and their employers for evaluation purposes.

By updating employer profiles, the project helped the school determine what courses need to be revised and what courses need to be added to its current curriculum.

TITLE: A PLAN FOR THE DEVELOPMENT AND IMPLEMENTATION OF A PERFORMANCE BASED STUDENT TRAINING PROGRAM IN HEALTH OCCUPATIONS

PROJECT #: 61-77-III-23

Allen County

CONTACT: *Phyllis J. Bilger*
Indiana Univ.-Purdue Univ./Fort Wayne
2101 Coliseum Blvd. East
Fort Wayne, IN 46805
Phone: (219) 482-5811

BUDGET:

Local	$
St/Fed	28,939
Total	$ 28,939

DESCRIPTORS: *health occupations education, inservice teacher education, performance based education, performance criteria, skill analysis*

LEVEL(S): *secondary postsecondary adult employer*

PRODUCTS: *final report*

OBJECTIVES:

1. Develop a performance based student training program for unlicensed medication personnel.
2. Train educators to use the newly developed student training program.
3. Determine at what level practitioners who have completed the training program should begin working.
4. Develop a proficiency exam to determine the competence of students who have completed the training program.

PROCEDURES AND OUTCOMES:

The project held two seminars for health occupations educators. In the first workshop they gave an overview of the medication aide curriculum and performance based materials. In the second, they emphasized teaching methods. In order to determine the beginning level for medication aides, the project developed a qualifications profile and field tested and evaluated the training program. The principal investigator consulted with the advisory committee before writing questions for the proficiency exam.

The project completed the development and implementation of a total performance based health occupations student training program.

TITLE: JOB TITLE ANALYSIS CURRICULUM DEVELOPMENT

PROJECT #: 5-.7-C-2

Bartholomew County

CONTACT: *Meredith L. Thompson*
Bartholomew Consolidated School Corp.
2650 Home Ave.
Columbus, IN 47201
Phone: (812) 376-4240

BUDGET:

Local	$ 1,000
St/Fed	14,150
Total	$ 15,150

DESCRIPTORS: *curriculum development, individualized instruction, job analysis, learning modules, office occupations education, performance based education, secretaries, V-TECS*

LEVEL(S): *secondary adult*

PRODUCTS: *final report*

OBJECTIVES:

1. Develop a minimum of 25 teacher- and student-centered learning modules and/or implement existing modules for the job title of secretary.

2. Research the job title of secretary using V-TECS performance based materials as they relate to job opportunities in Indiana.

3. Expand the focus of the materials to include adult education.

PROCEDURES AND OUTCOMES:

The project staff selected performance objectives from the V-TECS catalog and compiled data on the job title of secretary. Business and industry helped the project staff develop teacher- and student-centered learning modules. The student-centered learning module was extended to include individualized learning through the development of remedial learning modules.

The project contributed to the development of learning modules for the job title of secretary.

TITLE: SECRETARIAL JOB TITLE ANALYSIS, CURRICULUM DEVELOPMENT, AND PILOT PROJECT TO IMPLEMENT V-TECS SECRETARIAL LEARNING MODULES

PROJECT #: 59-77-III-23

Bartholomew County

CONTACT: *Meredith Thompson*
Bartholomew Consolidated School Corp.
2650 Home Ave.
Columbus, IN 47201
Phone: (812) 376-4240

BUDGET:

Local	$ 2,250
St/Fed	21,240
Total	$ 23,490

DESCRIPTORS: *adult education, curriculum development, individualized instruction, job analysis, learning modules, performance based education, secretaries, training objectives, V-TECS*

LEVEL(S): *secondary adult*

PRODUCTS: *final report*

OBJECTIVES:

1. Implement performance based learning modules for the job title of secretary in two intensive office laboratories.
2. Organize and sequence individual students' curriculum materials.
3. Construct a model student participation schedule based on small group and individual study modes.
4. Investigate the role of the teacher as a facilitator of learning experiences, instructional design strategy, and media selection of performance based instruction.

PROCEDURES:

This project implemented the performance based learning modules developed in SBVTE project 5-77-C-2. It integrated the modules for the job title of secretary into two intensive office laboratories. Students used the modules for one semester, and the project staff studied the resulting changes in performance. The staff (1) used criterion referenced tests to measure student achievement, (2) identified teaching techniques which helped students reach their performance objectives, (3) examined available resources in an attempt to improve instruction and learning conditions, and (4) obtained media and instructional supplies needed to improve the learning modules.

TITLE: DISTRIBUTIVE EDUCATION COMPETENCY BASED CURRICULUM MODELS BY OCCUPATIONAL CLUSTERS

PROJECT #: 58-77-III-2

Delaware County

CONTACT: *Rodney E. Davis*
Ball State University
College of Business, PA 203-P
Muncie, IN 47306
Phone: (317) 285-6307

BUDGET:

Local	$
St/Fed	22,869
Total	$ 22,869

DESCRIPTORS: *curriculum development, distributive education, occupational clusters, performance based education, performance criteria, skill analysis*

LEVEL(S): *secondary*

PRODUCTS: *final report*

OBJECTIVES:

Incorporate existing distributive education curriculum materials and resources into the three-year performance based vocational education program.

PROCEDURES AND OUTCOMES:

The project staff revalidated the content of the previously developed three-year distributive education program using the Delphi technique. They matched job tasks from the revalidated program with job titles, developed the curriculum model format, and constructed curriculum models. They analyzed teaching techniques and student learning activities to determine which teaching methods would best promote the performance based programs and conducted inservice training techniques to determine the degree of success of the performance based programs.

The project turned unused curriculum materials into working performance based distributive education programs.

TITLE: AUTOMATED VOCATIONAL TASK ACHIEVEMENT--JOB TASK MATCHING

PROJECT #: 57-77-III-3

Elkhart County

CONTACT: *James H. Broadbent*
Elkhart Community Schools
2720 California Rd.
Elkhart, IN 46514
Phone: (219) 295-4757

BUDGET:

Local	$ 7,040
St/Fed	7,655
Total	$ 14,695

LEVEL(S): *secondary*

DESCRIPTORS: *computer oriented programs, curriculum development, job analysis, job placement, performance based education, skill analysis, task analysis, V-TECS*

PRODUCTS: *final report*

OBJECTIVES:

1. Fuse the V-TECS job task list and a locally developed job task list into a vocational curriculum data base.

2. Develop an automated system for monitoring students' completion of job tasks and matching job openings with students who have completed vocational programs.

PROCEDURES AND OUTCOMES:

The project developed and tested techniques for improving curriculum by fusing local efforts with V-TECS scientific findings. It recorded the curriculum development methods used and systemized course task analysis.

The project improved data exchange between employers and vocational training institutions by developing and implementing an automated information retrieval system.

TITLE: LOCAL OPERATIONAL PLAN FOR THE IMPLEMENTATION OF COMPETENCY BASED EDUCATION

PROJECT #: 63-77-III-23

Henry County

CONTACT: *Beverly Hankenhoff*
New Castle Community School Corp.
522 Elliott Ave.
New Castle, IN 47362
Phone: (317) 529-3503

BUDGET:

Local	$ 3,712
St/Fed	29,350
Total	$ 33,062

DESCRIPTORS: *business education, cluster grouping, curriculum development, health occupations education, occupational home economics, performance based education, trade and industrial education, V-TECS*

LEVEL(S): *secondary postsecondary employer*

PRODUCTS: *final report*

OBJECTIVES:

1. Develop a plan for operating a performance based vocational educational program in a local school district.

2. Implement the plan in four existing vocational programs.

PROCEDURES:

The project staff reviewed the literature, visited a working PBVE program, and consulted with the Indiana V-TECS coordinator before developing the local plan. After developing the plan they (1) conducted four workshops to acquaint the school staff with the newly developed plan, (2) developed goals and objectives for each program area, (3) developed evaluation and recording systems, and (4) field tested the PBVE curriculum.

The staff chose health occupations, business education, home economics, and distributive education to be the program areas in which the PBVE plan would be implemented. They developed the PBVE curricula by (1) writing task statements, (2) preparing task analyses, (3) identifying the cognitive, psychomotor, and affective abilities needed to perform the tasks, (4) setting limits for testing learning content, (5) writing performance objectives, (6) developing criterion referenced tests, and (7) preparing a teacher's guide.

TITLE: PERFORMANCE BASED INSTRUCTIONAL MATERIALS FOR DATA PROCESSING OCCUPATIONS

PROJECT #: 105-77-III-13

Lake County

CONTACT: *Rita D. Fillmon*
Indiana University Northwest
3400 Broadway
Gary, IN 46408
Phone: (219) 980-6500

BUDGET:

Local	$
St/Fed	18,538
Total	$ 18,538

DESCRIPTORS: *computer assisted instruction, data processing occupations, instructional materials, learning modules, material development, performance based education*

LEVEL(S): *postsecondary*

PRODUCTS: *final report*

OBJECTIVES:

Develop student- and teacher-centered performance based instructional modules for the job titles of business programmer and chief business programmer.

PROCEDURES:

The project staff refined the duties and tasks identified in a programmer's catalog developed by the Georgia department of education. They identified relevant textbooks, chose readings from the texts, and developed a set of readings suited to their students' needs. They wrote (1) quizzes and problems so students had to apply the concepts and techniques presented in the readings and (2) instructors manuals which had problem solutions coded to the readings.

The staff developed learning modules stating the objectives, conditions, behaviors, and standards for each lesson. The objectives identified what was to be learned. The conditions identified readings and reviews. The behaviors identified quizzes and problems. The standards identified the criteria to be used in checking the students' work.

The modules were field tested, revised, and field tested once again. They are currently being used in the classroom.

TITLE: PBVE FOR DE LA GARZA CAREER CENTER IN AREA VOCATIONAL SCHOOL--DISTRICT #1

PROJECT #: 107-77-111-3

Lake County

CONTACT: *Joseph J. Babas*
School City of East Chicago
210 E. Columbus Dr.
East Chicago, IN 46312
Phone: (219) 457-3147

BUDGET:

Local	$ 3,450
St/Fed	14,700
Total	$ 18,150

DESCRIPTORS: *curriculum development, delivery systems, performance based education, vocational education, V-TECS*

LEVEL(S): *secondary postsecondary adult*

PRODUCTS: *final report*

OBJECTIVES:

1. Develop performance based curriculum materials for five vocational subject areas.
2. Develop a system for teaching the curriculum materials.
3. Develop an administrative process for implementing the curriculum materials.

PROCEDURES AND OUTCOMES:

The project director appointed subject area specialists from the world of work to the five curriculum committees. Professional teachers chaired the committees. Each curriculum committee developed a PBVE curriculum for its subject area using the V-TECS system. The committee chairmen formed a sixth committee and developed a system for teaching the newly developed materials. After the new curricula and the teaching system were approved, the teacher committee developed an implementation process.

The products developed in this project can be used in any school which is interested in implementing PBVE programs.

TITLE: A PROPOSAL TO TRAIN WRITING TEAMS TO DEVELOP V-TECS CATALOGS IN THE MECHANICAL DRAFTING AND AGRI-CHEMICAL DOMAINS

PROJECT #: 5-77-C-5

Marion County

CONTACT: *Bill R. West*
Indiana Univ.-Purdue Univ./Indianapolis
E & T Bldg., 799 W. Michigan St.
Indianapolis, IN 46202
Phone: (317) 264-8703/2981

BUDGET:

Local	$ 1,500
St/Fed	13,818
Total	$ 15,318

LEVEL(S): *secondary*

DESCRIPTORS: *agricultural chemical occupations, catalogs, drafting, measurement techniques, research skills, task analysis, team training, technical writing, training objectives, V-TECS*

PRODUCTS: *final report*

OBJECTIVES:

1. Recruit writing team members.
2. Train writing teams in survey instrument development, task inventory development, task inventory surveying, task analysis, performance objective writing, criterion referenced test construction, and instructional content identification and sequencing.
3. Produce the agrichemical and mechanical drafting domain catalogs needed to satisfy Indiana's commitment to V-TECS.

PROCEDURES AND OUTCOMES:

The agency which developed the agrichemical domain catalog recruited its team members, and the Indiana V-TECS coordinator recruited the mechanical drafting writing team. Team members received either undergraduate or graduate credit from the college or university of their choice for participating in the project. The writing teams met for three hours each week for one academic semester. In the meetings they were trained to interpret and summarize research data. They applied what they were learning by developing the materials needed to satisfy Indiana's commitment to V-TECS during and after the training classes.

This project was the first to fuse training and production into a concurrent process.

TITLE: V-TECS COORDINATION, DEVELOPMENT OF FIVE V-TECS DOMAIN CATALOGS, AND DEVELOPMENT OF AN AGRIBUSINESS DOMAIN MATRIX

PROJECT #: 53-77-III-15

Marion County

CONTACT: *Bill R. West*
Indiana Univ.-Purdue Univ./Indianapolis
E & T Bldg., 799 W. Michigan St.
Indianapolis, IN 46202
Phone: (317) 264-8703/2981

BUDGET:

Local	$
St/Fed	94,508
Total	$ 94,508

DESCRIPTORS: *agribusiness, catalogs, cluster grouping, inservice teacher education, performance based education, task analysis, training objectives, V-TECS*

LEVEL(S): *secondary*

PRODUCTS: *final report*

OBJECTIVES:

1. Coordinate the development and use of V-TECS catalogs.
2. Develop performance objective, performance guide, and criterion-referenced measure catalogs for job titles in two occupational domains.
3. Develop an agribusiness matrix showing job title clusters.

PROCEDURES:

The project directors promoted coordination in catalog development by training the project staff and writing teams to produce the catalogs and by acting as liaisons between the project and V-TECS' central staff. They coordinated catalog use by (1) encouraging cooperation between schools so curriculum development projects would not be duplicated and program articulation could occur and (2) inviting teachers to participate in inservice workshops designed to train them in effective catalog use and curriculum development, adaptation, and evaluation.

Development of the catalogs and the agribusiness matrix required a job title survey, a matrix illustrating job title clusters, a task inventory, a field review catalog, and a final V-TECS catalog. The project obtained the information needed through a mailed survey.

TITLE: ARTICULATION PROGRAM BETWEEN SECONDARY AND POSTSECONDARY INSTITUTIONS IN COMPUTER TECHNOLOGY

PROJECT #: 55-77-III-3

Marion County

CONTACT: *Meredith L. Carter*
Indiana Vocational Technical College
1315 E. Washington St.
Indianapolis, IN 46202
Phone: (317) 635-6100

BUDGET:

Local	$ 13,900
St/Fed	14,600
Total	$ 28,500

LEVEL(S): *secondary*
postsecondary

DESCRIPTORS: *area vocational schools, articulation (program), computer science, performance based education, program coordination, technical institutes, vocational high schools, V-TECS*

PRODUCTS: *final report*

OBJECTIVES:

1. Develop a performance based instructional program in data processing.

2. Develop an articulation program between Blue River Area Vocational School and Indiana Vocational Technical College-Indianapolis in data processing.

PROCEDURES AND OUTCOMES:

The project (1) listed all occupations which could be offered in the program area, (2) decided which could and would be taught in the local programs and which should be taught only at the secondary or postsecondary level, (3) developed a chart to show the hierarchy of jobs in the program area, (4) used task inventories to organize a curriculum for each occupation, (5) wrote instructional modules for each occupation, (6) developed a system to monitor students' progress, and (7) evaluated the outcomes.

The project defined the process of and developed procedures for articulation from a secondary to a postsecondary performance based program.

TITLE: INVOLVEMENT OF STAFF: OPERATIONAL PLAN TO IMPLEMENT PERFORMANCE BASED EDUCATION

PROJECT #: 60-77-III-23

Orange County

CONTACT: *H. Ross Brown*
South Central Area Vocational School
R. R. 1
Hardinsburg, IN 47125
Phone: (812) 472-3885

BUDGET:

Local	$ 2,450
St/Fed	13,940
Total	$ 16,390

DESCRIPTORS: *inservice teacher education, instructional improvement, instructional innovation, instructional staff, performance based education, staff improvement, staff utilization, V-TECS*

LEVEL(S): *secondary*

PRODUCTS: *final report*

OBJECTIVES:

Implement performance based instruction with the cooperation of local school staff.

PROCEDURES AND OUTCOMES:

The project director, area school director, and state staff volunteers developed 24 inservice workshops for the area school staff. Four of the workshops were devoted to explaining the six phases to be used in implementing performance based instruction. Other workshops demonstrated the V-TECS techniques for organizing instructional units and encouraged school staff to develop new methods of instruction. Staff responses and input were requested at the workshops.

The workshops this project developed can be used as instructional units in schools implementing performance based instruction.

TITLE: JOB TITLE ANALYSIS FOR SELECTED JOB TITLES IN HORTICULTURE

PROJECT #: 5-77-C-1

Tippecanoe County

CONTACT: *William B. Richardson*
Purdue University
Vocational Teacher Training, SCC-G
West Lafayette, IN 47907
Phone: (317) 749-2093

BUDGET:

Local	$
St/Fed	14,300
Total	$ 14,300

DESCRIPTORS: *curriculum development, grounds keepers, horticulture, job analysis, landscaping, task analysis, V-TECS*

LEVEL(S): *secondary*

PRODUCTS: *final report**

OBJECTIVES:

1. Develop a horticulture job title matrix.
2. Validate the task list of the grounds keeping job title.

PROCEDURES AND OUTCOMES:

The project director appointed representatives from the horticulture industry, state agribusinesses, and Purdue University's agribusiness and horticulture faculties to the advisory committee. The project staff conducted a job title survey for landscaping following the V-TECS technical reference handbook guidelines. The survey focused on grounds keeping. A jury of horticulture personnel worked to interpret the information gathered in the job title survey. They reviewed the task criteria, purged the task list, and identified core tasks.

The project staff obtained a secondary job task validation by surveying persons presently employed in the horticulture industry. The validated list of tasks was sequenced so that development of instructional materials was systematic.

This project provided a foundation for future curriculum development in horticulture, and its procedures will guide curriculum development in other vocational disciplines.

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TITLE: COMMON CONTENT CORE FOR AGRI-BUSINESS EDUCATION PROGRAMS

PROJECT #: 5-77-C-4

Tippecanoe County

CONTACT: *William B. Richardson*
Purdue University
Vocational Teacher Training, SCC-G
West Lafayette, IN 47907
Phone: (317) 749-2093

BUDGET:

Local	$
St/Fed	18,390
Total	$ 18,390

DESCRIPTORS: *agribusiness, agricultural education, core curriculum, curriculum development, inservice teacher education, instructional materials, performance based education, task analysis*

LEVEL(S): *secondary*

PRODUCTS: *final report*

OBJECTIVES:

1. Identify the common core tasks vocational agriculture students in secondary schools need to learn before entering specific areas of study.

2. Develop and disseminate vocational agriculture instructional materials.

PROCEDURES AND OUTCOMES:

The project advisory committee provided direct input and feedback into the development of the instructional materials. The research staff identified and obtained common core task materials already developed in Indiana and other states. They summarized the identified tasks and developed instructional materials. The new materials were field tested in vocational agribusiness classes. After field testing, the materials were revised, refined, and printed. The finished materials were disseminated at an inservice meeting of the Indiana Vocational Agriculture Teacher Association.

This project developed a list of common core tasks that ninth and tenth grade vocational agribusiness students need to learn.

TITLE: CURRICULUM DEVELOPMENT IN LANDSCAPING FOR VOCATIONAL HORTICULTURE PROGRAMS

PROJECT #: 56-77-III-3

Tippecanoe County

CONTACT: *William B. Richardson*
Purdue University
Vocational Teacher Training, SCC-G
West Lafayette, IN 47907
Phone: (317) 749-2093

BUDGET:

Local	$
St/Fed	12,421
Total	$ 12,421

DESCRIPTORS: *curriculum development, grounds keepers, horticulture, inservice teacher education, instructional materials, landscaping, performance based education, V-TECS*

LEVEL(S): *secondary*

PRODUCTS: *final report*

OBJECTIVES:

1. Develop vocational horticulture curriculum materials for landscaping.
2. Field test the curriculum materials.
3. Familiarize vocational horticulture instructors with the curriculum materials.

PROCEDURES AND OUTCOMES:

The project arranged the tasks validated in SBVTE project 5-77-C-1, in a logical teaching sequence. The curriculum materials steering committee prepared a curriculum outline which listed units and lessons. The research staff developed units and lessons to fit the outline and organized a teaching manual. They field tested the manual on a sample of vocational horticulture programs and revised it as necessary. The research staff conducted inservice workshops for vocational horticulture instructors where they distributed printed teaching manuals and introduced the instructors to the new materials.

This project developed the first V-TECS based agriculture curriculum guide in Indiana.

TITLE: PURPOSIVE STUDY AND CURRICULUM DEVELOPMENT FOR NURSERY OPERATIONS

PROJECT #: 62-77-III-13

Tippecanoe County

CONTACT: *William B. Richardson*
Purdue University
Vocational Teacher Training, SCC-G
West Lafayette, IN 47907
Phone: (317) 749-2093

BUDGET:

Local	$
St/Fed	19,959
Total	$ 19,959

DESCRIPTORS: *agribusiness, curriculum development, inservice teacher education, instructional materials, nurseries (horticulture), program validation, task analysis, V-TECS*

LEVEL(S): *secondary*

PRODUCTS: *final report*

OBJECTIVES:

1. Validate the V-TECS identified job tasks for the job title nursery operator.
2. Develop performance based instructional materials for teaching nursery operators.
3. Disseminate the materials developed.

PROCEDURES AND OUTCOMES:

The project's research staff conducted a purposive study. The study (1) validated the V-TECS identified job tasks for nursery operators by adapting the tasks to fit the state's needs, (2) used a jury of horticulture personnel to review the validated task list and identify core tasks for Indiana nursery operators, and (3) sequenced the tasks. The research staff used the task list developed in the purposive study to develop instructional materials. They field tested each unit and lesson in vocational agribusiness classrooms and revised the materials as necessary. The instructional materials were disseminated and explained at an inservice workshop.

The project developed classroom materials which provide consistency in Indiana's vocational agribusiness instruction.

TITLE: SPECIAL SERVICES COORDINATION FOR AREA SCHOOL (PHASE II)

PROJECT #: 106-77-III-1

Vanderburgh County

CONTACT: *John Clerk*
Evansville-Vanderburgh School Corp.
1 S.E. Ninth St.
Evansville, IN 47708
Phone: (812) 426-5036

BUDGET:

Local	$ 7,425
St/Fed	23,000
Total	$ 30,425

DESCRIPTORS: *area vocational schools, employment opportunities, inservice teacher education, needs assessment, performance based education, program evaluation, student interests, vocational counseling*

LEVEL(S): *secondary*

PRODUCTS: *final report*

OBJECTIVES:

1. Implement the model administrative services block for an area vocational school developed in project 16-76T-D-3.

2. Develop a plan for operating a PBVE program in a local school.

PROCEDURES AND OUTCOMES:

The project organized the administration at the area vocational school by implementing the model administrative services block. The purpose of the new organization was to facilitate learning by increasing efficiency. Once the administrative procedures were improved and clarified, the project staff began developing a plan for operating a PBVE program in the area school.

This project produced guidelines for developing PBVE materials. These guidelines can be used in other Indiana schools.

TITLE: INDIVIDUALIZED MULTI-ENTRY/EXIT APPROACH FOR AUTO BODY REPAIR TECHNOLOGY

PROJECT #: 64-77-III-23

Vigo County

CONTACT: *Sam E. Borden*
Indiana Vocational Technical College
R.R. 22, Box 760
Terre Haute, IN 47802
Phone: (812) 299-1121

BUDGET:

Local	$ 30,470
St/Fed	18,000
Total	$ 48,470

DESCRIPTORS: *auto body repairman, instructional materials, laboratory manuals, performance criteria, task analysis, training objectives*

LEVEL(S): *postsecondary*

PRODUCTS: *final report*

OBJECTIVES:

Update and improve auto body repair technology course content and teaching materials.

PROCEDURES AND OUTCOMES:

The project staff conducted a job task analysis and revised the current auto body repair task list. They wrote performance objectives for each task and developed test and performance standards for each auto body repair job title. After updating the PBVE materials, the project staff developed student lab manuals for each auto body repair technology class. The lab manuals gave the instructions students needed to complete each performance objective.

By updating course content and materials, this project improved the school's auto body repair courses.

TITLE: IMPLEMENT A NON-RETURNING STUDENT FOLLOW-UP PLAN

PROJECT #: 68-77-III-4

Allen County

CONTACT: *Merland E. Beyler*
Indiana Vocational Technical College
3800 N. Anthony Blvd.
Ft. Wayne, IN 46805
Phone: (219) 482-9171

BUDGET:

Local	$ 9,908
St/Fed	10,450
Total	$ 20,358

DESCRIPTORS: *dropout characteristics, dropout identification, dropouts, vocational followup, vocational schools*

LEVEL(S): *postsecondary*

PRODUCTS: *final report*

OBJECTIVES:

1. Determine how many students enter training-related jobs before completing their training programs.

2. Gather data which explains why students who enrolled in a training program either withdrew during the quarter or failed to return the following quarter.

PROCEDURES AND OUTCOMES:

The project staff asked students who withdrew during the quarter to complete a student exit form. The principal investigator or a faculty advisor conducted exit interviews whenever possible. During the third week of each quarter a student exit form was mailed to all individuals who were enrolled in a training program but did not finish. The project staff analyzed the survey results by program, time of enrollment, and full-time or part-time student status.

This project provided information from former students which was used to improve instructional and administrative services.

TITLE: DEVELOPMENT AND IMPLEMENTATION OF A STUDENT JOB PLACEMENT AND FOLLOW-UP PLAN

PROJECT #: 69-77-III-4

Bartholomew County

CONTACT: *Harvey S. Poling*
Indiana Vocational Technical College
646 Franklin St.
Columbus, IN 47201
Phone: (812) 372-9925

BUDGET:

Local	$ 4,845
St/Fed	24,131
Total	$ 28,976

DESCRIPTORS: *employment services, job placement, newsletters, publicize, school industry relationship, vocational followup*

LEVEL(S): *secondary postsecondary adult employer*

PRODUCTS: *final report*

OBJECTIVES:

1. Develop a student job placement service.
2. Implement the placement service.

PROCEDURES:

The project staff established communication lines between IVTC and community agencies, businesses, industries, and secondary and postsecondary school personnel. They developed and maintained a list of all potential employers in the service area. They prepared a newsletter which was distributed to students and potential employers. The newsletter explained the placement service's purpose and encouraged involvement. The staff also designed a follow-up system which measured the success of the placement service.

The project implementation involved (1) establishing the position of placement coordinator and (2) informing students of opportunities to improve the skills that lead to job placement.

TITLE: IMPLEMENTING A NON-RETURNING, NON-GRADUATING STUDENT FOLLOW-UP SYSTEM

PROJECT #: 71-77-III-4

Clark County

CONTACT: *Carl F. Scott*
Indiana Vocational Technical College
8204 Highway 31 West
Sellersburg, IN 47172
Phone: (812) 246-3301

BUDGET:

Local	$ 11,020
St/Fed	7,900
Total	$ 18,920

DESCRIPTORS: *dropout identification, dropout research, followup studies*

LEVEL(S): *postsecondary*

PRODUCTS: *final report*

OBJECTIVES:

Implement a student follow-up system.

PROCEDURES AND OUTCOMES:

The project staff identified nonreturning, nongraduating students for three consecutive quarters. They sent a questionnaire to each nonreturning student. The questionnaires identified the students' reasons for leaving. If former students did not respond to the first questionnaire, the staff mailed another one. If they did not respond to the second questionnaire, the staff contacted them by telephone. When all responses were received, the project staff tabulated and evaluated the data.

The results of this project helped IVTC assess and improve its programs.

TITLE: SELECTION OF A JOB PLACEMENT AND FOLLOW-UP SYSTEM FOR VOCATIONAL EDUCATION STUDENTS

PROJECT #: 6-77-D-8

Clinton County

CONTACT: *Nicholas J. Zafran*
Clinton Prairie School Corp.
R.R. 6, Box 358
Frankfort, IN 46041
Phone: (317) 659-3305

BUDGET:

Local	$ 700
St/Fed	4,845
Total	$ 5,545

DESCRIPTORS: *employment qualifications, job placement, job search methods, occupational guidance, occupational tests, vocational follow-up*

LEVEL(S): *secondary adult employer employee*

PRODUCTS: *final report*

OBJECTIVES:

1. Develop and implement a job placement system for all eligible students.
2. Develop a program for testing all freshmen to determine their vocational aptitudes and interests.
3. Assist students in learning how to get a job and the requirements for each vocation.
4. Implement a follow-up system to provide data on those involved in the project.

PROCEDURES:

The project staff visited schools with job placement services and identified parts of the existing services that could be adapted to meet their needs. They met with the project's advisory committee and staff steering committee to develop a placement system. The system was implemented in May 1977.

All members of freshman class took the Career Assessment Inventory. Vocationally oriented students also took the General Aptitude Test Battery. The test results were filed with the placement service where they were used in counseling.

The Indiana project System for Implementing Review and Follow-up (SIRF) was used to obtain follow-up data on all vocational students.

TITLE: PLACEMENT AND FOLLOW-UP PROJECT FOR AREA SCHOOLS

PROJECT #: 6-77-D-4

DeKalb County

CONTACT: *Charles S. Farnsworth*
Four County Area Vocational Coop.
701 Houston St.
Garrett, IN 46738
Phone: (219) 357-3122

BUDGET:

Local	$ 3,950
St/Fed	10,000
Total	$ 13,950

DESCRIPTORS: *area vocational schools, interinstitutional cooperation, job placement, school industry relationship, shared services, vocational followup*

LEVEL(S): *secondary employer*

PRODUCTS: *final report*

OBJECTIVES:

1. Provide placement and follow-up services to students in vocational classes.
2. Develop lines of communication with business and industry.
3. Coordinate placement activities within the four county area by improving communications between school personnel and business and industry.

PROCEDURES AND OUTCOMES:

The project staff reviewed literature which discussed organizing a placement and follow-up system for a large area. Staff from each school used their time to help coordinate the development of the system. All development activities were conducted in cooperation with the four county vocational office. The project gathered data about local businesses and developed placement, follow-up, reporting, and evaluation systems.

The project provided job placement services and gathered information about the deficiencies in training programs.

TITLE: LOCAL PLAN TO DEVELOP A JOB PLACEMENT AND FOLLOW-UP SYSTEM

PROJECT #: 78-77-III-2

Henry County

CONTACT: *Beverly Hankenhoff*
New Castle Community School Corp.
522 Elliott Ave.
New Castle, IN 47362
Phone: (317) 529-3503

BUDGET:

Local	$ 3,710
St/Fed	25,948
Total	$ 29,658

DESCRIPTORS: *area vocational schools, inservice teacher education, job placement, manpower needs, publicize, vocational followup*

LEVEL(S): *secondary postsecondary adult employer*

PRODUCTS: *final report*

OBJECTIVES:

Develop and implement a job placement and follow-up system.

PROCEDURES AND OUTCOMES:

The project hired a placement coordinator. The coordinator redesigned the existing follow-up form and sent it to all students who graduated one and three years ago from each of the six participating school systems. Business and industry employee needs were assessed on the basis of (1) the number of secondary and postsecondary graduates they presently employ, (2) the turnover rate, and (3) their future needs. The placement coordinator traveled to each of the six cooperating schools and helped staffs develop placement and follow-up systems. The development of public relations materials and inservice workshops for school staffs was incorporated into the development of the placement system.

The findings of this project helped the area school staff determine how effectively the programs they offer meet the community's needs.

TITLE: IMPLEMENTATION OF A JOB PLACEMENT AND FOLLOW-UP SERVICE FOR AREA 39

PROJECT #: 77-77-III-4

Johnson County

CONTACT: *James E. Hixson*
Central Nine Vocational-Tech. School
P.O. Box 403, U.S. 31
Greenwood, IN 46142
Phone: (317) 888-4401

BUDGET:

Local	$ 11,232
St/Fed	15,400
Total	$ 26,632

DESCRIPTORS: *area vocational schools, job placement, job search methods, school industry relationship, vocational followup*

LEVEL(S): *secondary*

PRODUCTS: *final report*

OBJECTIVES:

Continue the development and implementation of a job placement and follow-up service.

PROCEDURES:

This project was a continuation of SBVTE project 40-76-D-13. In this segment of the project, the project staff (1) developed five-year follow-up instruments, (2) conducted a follow-up study of 1973 graduates, (3) updated and revised the annual follow-up instruments, (4) conducted a follow-up study of 1977 graduates, and (5) met with seniors and helped them develop placement files.

All follow-up studies used both a mailed survey instrument and telephone interviews. The placement files included a background information sheet, a release form, and a teacher recommendation. A card file was developed at the same time the placement files were developed. The card file was used to record when students went on job interviews and when they accepted employment.

TITLE: PLACEMENT AND FOLLOW-UP CONTINUED AND EXPANDED

PROJECT #: 76-77-III-4

Kosciusko County

CONTACT: *Richard M. Wysong*
Lakeland Community School Corp.
Box 638
Syracuse, IN 46567
Phone: (219) 457-3147

BUDGET:

Local	$ 1,352
St/Fed	10,052
Total	$ 11,404

DESCRIPTORS: *area vocational schools, job placement, school industry relationship, vocational followup*

LEVEL(S): *secondary*

PRODUCTS: *final report*

OBJECTIVES:

1. Help place students in occupations commensurate with their interests, aptitudes, and abilities.

2. Develop lines of communication between school personnel and business and industry.

PROCEDURES AND OUTCOMES:

This project was a continuation of SBVTE project 40-76-D-1. Its purpose was to support the continuation and expansion of the Wawawee Area Vocational Coop Placement Service. The coop's placement service serves three schools and is coordinated by the area vocational director. The Indiana project System for Implementing Review and Follow-up (SIRF) was used as a basis for the design of the placement service.

The project involved school personnel and the business community. It resulted in a coordinated community effort to place graduating students.

TITLE: DEVELOPMENT OF A PLAN TO EXPAND PRESENT PLACEMENT SYSTEM

PROJECT #: 6-77-D-5

Lake County

CONTACT: *Donald P. Belec*
Indiana Vocational Technical College
1440 E. 35th Ave.
Gary, IN 46409
Phone: (219) 981-1111

BUDGET:

Local	$ 2,970
St/Fed	5,000
Total	$ 7,970

DESCRIPTORS: *employment opportunities, job placement, systems analysis*

LEVEL(S): *postsecondary*

PRODUCTS: *final report*

OBJECTIVES:

1. Develop a plan for establishing employer reference files for the IVTC-Northwest Learning Resource Center.

2. Develop a placement activities timetable for graduates of newly developed training programs.

PROCEDURES AND OUTCOMES:

The project hired a full-time clerical assistant to relieve the placement director of placement related clerical duties. The placement director visited schools within the region to see how they made employer information available to students. He wrote a plan suggesting ways to (1) organize the Learning Resource Center's employer reference files and (2) solicit and obtain employer reference materials. He used the IVTC-Northwest plan for implementation of new training programs to develop a placement activities timetable. The timetable included an estimate of the number of students graduating from these new programs who would need placement services and determined what additional resources would be required to meet their placement needs.

The plans developed in this project helped IVTC-Northwest improve its placement services.

TITLE: ESTABLISHMENT OF FORMAL PLACEMENT OPERATION AND FOLLOW-UP ACTIVITY

PROJECT #: 75-77-III-4

Lake County

CONTACT: *Donald P. Belec*
Indiana Vocational Technical College
1400 E. 35th Ave.
Gary, IN 46409
Phone: (219) 981-1111

BUDGET:

Local	$ 17,950
St/Fed	15,300
Total	$ 33,250

DESCRIPTORS: *job placement, school industry relationship, vocational followup*

LEVEL(S): *postsecondary*

PRODUCTS: *final report*

OBJECTIVES:

Improve the IVTC-Northwest placement service.

PROCEDURES AND OUTCOMES:

The project hired and trained a placement coordinator and a clerical assistant. The placement coordinator was put in charge of all in-house placement and follow-up activities. The placement director, who regularly contacted area employers, passed all the information he gathered from employers onto the placement coordinator. The placement coordinator then informed graduates and students of job openings and helped them prepare for interviews. The placement coordinator also regulated follow-up studies.

As a result of this project, students received increased placement assistance and were better prepared for the job market.

TITLE: A SKILL CATALOG FOR CURRICULUM EVALUATION AND STUDENT PLACEMENT

PROJECT #: 5-77-C-10

Lawrence County

CONTACT: *Don Piper*
North Lawrence Community Schools
620 H St.
Bedford, IN 47421
Phone: (812) 279-3561

BUDGET:

Local	$ 990
St/Fed	5,900
Total	$ 6,890

DESCRIPTORS: *catalogs, computer oriented programs, data bases, followup studies, job placement, job skills, occupational information, task analysis, V-TECS*

LEVEL(S): *secondary postsecondary*

PRODUCTS: *final report* skill catalog*

OBJECTIVES:

1. Develop procedures for creating and maintaining a catalog of job entry skills and other employment data.
2. Develop the job entry skills catalog.
3. Write the computer programs needed to create and maintain data bases of students' skills needed for specific jobs.
4. Begin to use the catalog and both data bases.

PROCEDURES AND OUTCOMES:

The project's subject area advisory committees decided which local skills to catalog. The project staff designed and organized the catalog. Computer programs for creating and maintaining both data bases were written. Employer information was added to the skill bank as it was received from local industry. Student information was added to student files when they graduated, withdrew, or acquired new skills. The data bases were used to (1) compare students' skills with the needs of local industry, (2) provide local job information to students and staff, (3) provide employers with placement files, (4) notify students of job opportunities, and (5) record follow-up studies and analyze skill groupings.

The project developed a computerized placement system which can be used in other schools.

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TITLE: PROJECT CONCERN

PROJECT #: 6-77-D-3

Marion County

CONTACT: *Dave Dressler*
MSD of Lawrence Township
7601 E. 56th St.
Indianapolis, IN 46226
Phone: (317) 849-9455

BUDGET:

Local	$
St/Fed	3,320
Total	$ 3,320

DESCRIPTORS: *consortia, evaluation methods, job placement, school industry relationship, skill development, vocational followup, vocational interest*

LEVEL(S): *secondary*

PRODUCTS: *final report*

OBJECTIVES:

1. Develop a job readiness/skill development profile system which records vocational students' career objectives, interests, aptitudes, learning styles, and skill levels.

2. Develop a job bank using placement data from community agencies.

3. Develop a placement and follow-up skill development need profile sheet and a job satisfaction-worker need profile.

4. Develop an ongoing follow-up system that provides data on job mobility, stability, and advancement.

PROCEDURES:

The project staff organized a committee of prospective employers, vocational teachers, and guidance personnel. The committee developed a placement and follow-up program for the school district, and the project staff developed the instruments required by the program.

The project gathered data about (1) the job holding success of drop outs, (2) the job satisfaction of graduates, (3) Employment Security Division job placement, (4) job mobility, and (5) the jobs students accepted as compared with their training.

TITLE: A JOB PLACEMENT CENTER FOR THE WALKER CAREER CENTER

PROJECT #: 66-77-III-4

Marion County

CONTACT: *David C. Geise*
Walker Career Center
9651 E. 21st St.
Indianapolis, IN 46240
Phone: (317) 899-2000

BUDGET:

Local	$ 4,195
St/Fed	36,753
Total	$ 40,948

DESCRIPTORS: *job placement, occupational guidance, pamphlets, school industry relationship, vocational followup*

LEVEL(S): *secondary postsecondary employer*

PRODUCTS: *final report*

OBJECTIVES:

1. Help students at Walker Career Center secure full- and part-time employment.

2. Help employers find qualified people to fill their job openings.

PROCEDURES AND OUTCOMES:

A file of over 1,000 prospective employers was compiled. Post cards and/or letters outlining the career center's training programs and job placement services were mailed to each employer identified. Business and industry personnel were encouraged to request recommendations for prospective employees from the placement office, and students were referred to businesses for job interviews.

The project developed communication lines between businesses and industry and the career center.

TITLE: ATTRITION FOLLOW-UP STUDY OF SELECTED OCCUPATIONAL-TECHNICAL STUDENTS

PROJECT #: 70-77-III-4

Marion County

CONTACT: *Doris S. Parker*
Indiana Vocational Technical College
1315 E. Washington St.
Indianapolis, IN 46202
Phone: (317) 635-6100

BUDGET:

Local	$ 6,040
St/Fed	6,420
Total	$ 12,460

DESCRIPTORS: *dropout characteristics, dropout identification, dropouts, followup studies, prediction*

LEVEL(S): *postsecondary*

PRODUCTS: *final report*

OBJECTIVES:

1. Gather information about dropouts.
2. Document data about students who leave the college for reasons not related to instruction.
3. Build models that predict which students and how many students will drop out.

PROCEDURES AND OUTCOMES:

The project designed a survey instrument which identified student's demographic background, class standing, and activities before leaving the college. It asked open-ended questions concerning students' reasons for leaving and included a checklist of reasons for leaving. The survey instrument was administered to 1,000 randomly chosen students.

The project developed instruments which identify students who are not likely to complete vocational-technical programs.

TITLE: DEVELOP/IMPLEMENT A STUDENT JOB PLACEMENT AND FOLLOW-UP PLAN

PROJECT #: 73-77-III-4

Porter County

CONTACT: *H. Stephen Hewlett*
Porter County Career Education Coop.
507 Campbell
Valparaiso, IN 46383
Phone: (219) 464-2415

BUDGET:

Local	$ 11,620
St/Fed	14,100
Total	$ 25,720

DESCRIPTORS: *advisory committees, employment services, job placement, needs assessment, occupational guidance, vocational followup*

LEVEL(S): *secondary employer*

PRODUCTS: *final report*

OBJECTIVES:

Develop and implement a student placement and follow-up plan.

PROCEDURES AND OUTCOMES:

The project (1) established an advisory committee, (2) surveyed students and employers to determine their needs, (3) promoted placement with potential employers, (4) provided guidance activities, (5) developed a record keeping system, and (6) gathered follow-up data.

The development and coordination of placement and follow-up services helped vocationally trained students find employment related to their training and established a basis for planning and evaluating vocational training programs.

TITLE: CREATION OF A JOB BANK

PROJECT #: 6-77-D-6

St. Joseph County

CONTACT: *Walter N. Moore, Jr.*
Indiana Vocational Technical College
1534 W. Sample St.
South Bend, IN 46619
Phone: (219) 289-7001

BUDGET:

Local	$ 12,945
St/Fed	5,000
Total	$ 17,945

DESCRIPTORS: *information storage, job placement, manpower needs, occupational information*

LEVEL(S): *postsecondary employer*

PRODUCTS: *final report*

OBJECTIVES:

Create a job bank which includes information on at least 200 employers in the IVTC-South Bend region.

PROCEDURES AND OUTCOMES:

A clerical assistant for placement activities was hired to distribute mass mailings to potential employers, log the returns, and update employer information files.

The project used the *Indiana Industrial Directory* and lists of employers compiled by the college's divisional chairpersons to determine which employers should receive the mailings. The mailings requested published materials which described the businesses and the name of each businesses' personnel director. Follow-up mailings were sent to employers who did not respond to the first mailing.

The placement officer increased employer awareness of IVTC-South Bend and its programs by personally visiting selected employers. Student and faculty awareness was raised by posters and fliers announcing the job bank.

Students at IVTC-South Bend and employers in the region are now more aware of what the placement office can do for them.

TITLE: CONTINUATION OF THE DEVELOPMENT OF A COMPREHENSIVE JOB BANK

PROJECT #: 72-77-III-4

St. Joseph County

CONTACT: *James R. Wells*
Indiana Vocational Technical College
1534 W. Sample St.
South Bend, IN 46619
Phone: (219) 289-7001

BUDGET:

Local	$ 9,290
St/Fed	8,370
Total	$ 17,660

DESCRIPTORS: *employment services, information storage, job search methods, occupational information*

LEVEL(S): *secondary postsecondary*

PRODUCTS: *final report*

OBJECTIVES:

Maintain and expand the job bank currently being created at IVTC-South Bend to include at least 700 prospective employers.

PROCEDURES AND OUTCOMES:

This project was a continuation of SBVTE project 6-77-D-6. A clerical assistant hired by the project helped enlarge and update the job bank by mailing requests for employer information and logging returns. The assistant also mailed information about graduates to prospective employers.

The project used Chamber of Commerce listings and the telephone directory to identify additional employers for the job bank. Mailings, which requested operations information, organization literature, and the name of the personnel director, were sent to each newly identified employer. Information about employers already in the job bank was continously updated.

The information in the job bank helped students realize their career objectives and contributed to a better understanding of the employers in the region. IVTC-South Bend used the information gathered to evaluate its effectiveness in meeting community manpower needs.

TITLE: IMPLEMENT A STUDENT JOB PLACEMENT SYSTEM

PROJECT #: 79-77-III-2

St. Joseph County

CONTACT: *Walter N. Moore, Jr.*
Indiana Vocational Technical College
1534 W. Sample St.
South Bend, IN 46619
Phone: (219) 289-7001

BUDGET:

Local	$ 6,360
St/Fed	12,050
Total	$ 18,410

LEVEL(S): *postsecondary*

DESCRIPTORS: *job placement, occupational guidance, school industry relationship, vocational followup*

PRODUCTS: *final report*

OBJECTIVES:

1. Develop a job counseling and placement service.
2. Provide students and employers with information about the placement service.
3. Design and implement a follow-up system.

PROCEDURES AND OUTCOMES:

This project hired a full-time placement counselor. The counselor (1) contacted area businesses and industries and determined their employment needs, (2) evaluated training programs on the basis of employer needs, (3) designed and maintained a directory of employers and their needs, (4) maintained placement records on current and former students, (5) disseminated career information, and (6) designed and implemented a continuing follow-up system.

This program placed students in training-related employment and helped the staff evaluate the school's vocational curricula.

TITLE: INITIAL IMPLEMENTATION OF A JOB PLACEMENT PROGRAM

PROJECT #: 6-77-D-7

Tippecanoe County

CONTACT: *Tom Reckerd*
Indiana Vocational Technical College
616 Wabash Ave.
Lafayette, IN 47905
Phone: (317) 423-1533

BUDGET:

Local	$ 3,796
St/Fed	5,000.
Total	$ 8,796

DESCRIPTORS: *job placement, job search methods, occupational information*

LEVEL(S): *postsecondary*

PRODUCTS: *final report placement brochure*

OBJECTIVES:

Improve the IVTC-Lafayette placement services so at least 50% of its spring and summer quarter graduates attribute securing training-related employment to the college.

PROCEDURES AND OUTCOMES:

The project staff compiled a list of more than 1,000 potential employers in the region. They then developed a brochure which identified training areas and mailed it to the potential employers. They helped prepare students for the job market by developing a model resume which the communication skills instructor taught in communication classes. This instructor also taught the students job interviewing techniques.

A clerical assistant was hired to (1) maintain placement registration forms, (2) type and post job vacancy notices, (3) mail job vacancy notices to program supervisors and graduates, (4) mail and tabulate graduates' placement reports, and (5) conduct graduate and employer follow-up surveys.

As a result of this project IVTC-Lafayette students and graduates have placement services available to them.

TITLE: DEVELOPMENT OF AN EMPLOYER FOLLOW-UP MODEL OF FORMER VOCATIONAL STUDENTS

PROJECT #: 65-77-III-4

Tippecanoe County

CONTACT: *William B. Richardson*
Purdue University
Vocational Teacher Training, SCC-G
West Lafayette, IN 47907
Phone: (317) 749-2093

BUDGET:

Local	$
St/Fed	12,507
Total	$ 12,507

DESCRIPTORS: *employer attitudes, employers, followup studies, graduates, measurement techniques, models*

LEVEL(S): *secondary employer employee*

PRODUCTS: *final report*

OBJECTIVES:

1. Develop an employer follow-up model.
2. Develop follow-up model methodologies, instruments, and computer analysis techniques.
3. Field test the products developed.
4. Implement the model in a select sample of local vocational education agencies.

PROCEDURES AND OUTCOMES:

The project organized an advisory committee with representatives from local schools, business and industry, and labor. The researchers conducted a review of the literature and identified exemplary employer follow-up programs. Using the literature identified and the advisory committee's input, the researchers designed the model and its components. The components included (1) computerized data collection instruments, (2) a flow chart outlining the follow-up process, (3) procedures for nonrespondents, and (4) a handbook for local education agencies (LEAs).

The research team field tested the model in six LEAs. They then refined the model and made it available to interested schools.

This project expanded the traditional concept of vocational student follow-up by developing a model for follow-up of employers of former students.

TITLE: STUDENT PLACEMENT AND DEVELOPMENT OF VETERINARY TECHNOLOGY PERFORMANCE BASED CURRICULUM

PROJECT #: 67-77-III-4

Tippecanoe County

CONTACT: *Roger L. Lukens*
Purdue University
School of Veterinary Medicine
West Lafayette, IN 47907
Phone: (317) 749-2644

BUDGET:

Local	$ 1,400
St/Fed	14,000
Total	$ 15,400

DESCRIPTORS: *curriculum development, job placement, performance based education, performance criteria, training objectives, veterinary assistants*

LEVEL(S): *postsecondary employer*

PRODUCTS: *final report*

OBJECTIVES:

1. Develop a placement and follow-up process.
2. Determine the economic impact of the graduates of Purdue's veterinary technician program on Indiana veterinary practices.
3. Develop a performance based veterinary technology curriculum.

PROCEDURES AND OUTCOMES:

The project director developed an inventory of graduates' skills. He conducted on-the-job interviews of employers and graduates and studied the follow-up evaluation procedures at ten schools which have veterinary technology programs. An instrument which identified what skills graduates possessed, what skills they used, and what skills employers wanted to be added to or omitted from the curriculum was developed. The instrument was sent to students who graduated six or eighteen months ago. The data gathered were analyzed to determine graduate performance and economic impact. The results of the data analysis were used to develop a follow-up model.

The follow-up model developed by the project helped place graduates in jobs and was used to develop a performance based veterinary technology curriculum.

TITLE: STUDY OF JOB PLACEMENT--POSTSECONDARY AGRIBUSINESS GRADUATES

PROJECT #: 81-77-III-2

Tippecanoe County

CONTACT: *Allan D. Goecker*
Purdue University
Agricultural Admin. Bldg., Rm. 127
West Lafayette, IN 47907
Phone: (317) 749-2401

BUDGET:

Local	$
St/Fed	6,940
Total	$ 6,940

DESCRIPTORS: *agribusiness, employment patterns, occupational surveys, vocational followup*

LEVEL(S): *postsecondary*

PRODUCTS: *final report*

OBJECTIVES:

Determine the types of entry-level positions assumed by and the beginning salaries of 1972 and 1977 agriculture/agribusiness graduates of Purdue University, Vincennes University, and Indiana Vocational Technical College.

PROCEDURES AND OUTCOMES:

The project staff compiled lists of 1972 and 1977 agriculture/agribusiness graduates who received postsecondary certificates, associate degrees, or baccalaureate degrees from Purdue University, Vincennes University, or Indiana Vocational Technical College. They developed a questionnaire and mailed it to all the graduates identified. The questionnaire requested information about (1) the entry-level positions the graduates assumed, (2) their present occupations, (3) their beginning and current salaries, and (4) their employers. Graduates who did not respond to the first mailing were sent a second questionnaire or contacted in person or by telephone. The data gathered were analyzed to determine the similiarities and differences between the jobs held by 1972 and 1977 graduates.

This project developed a procedure for collecting employment data from graduates. Its results impacted agriculture/agribusiness admissions criteria, program curricula, and job placement activities.

TITLE: SPECIAL SERVICES COORDINATOR INVOLVING SCREENING PLACEMENT AND FOLLOW-UP OF VOCATIONAL STUDENTS

PROJECT #: 33-77-C

Vanderburgh County

CONTACT: *John W. Clerk*
Evansville-Vanderburgh School Corp.
1 S.E. Ninth St.
Evansville, IN 47708
Phone: (812) 426-5036

BUDGET:

Local	$
St/Fed	4,565
Total	$ 4,565

DESCRIPTORS: *administrative organization, area vocational schools, inservice teacher education, job placement, organizational communication, performance based teacher education, vocational followup*

LEVEL(S): *secondary postsecondary adult employer employee*

PRODUCTS: *final report*

OBJECTIVES:

1. Develop a description of a model administrative services block for an area vocational school.

2. Design a communications system for the Evansville-Vanderburgh School Corporation (E-VSC) Area Vocational School.

3. Implement a selection, placement, and follow-up system in the E-VSC Area Vocational School.

PROCEDURES AND OUTCOMES:

This project was an extension of SBVTE project 16-76T-D-3. It reviewed the findings of a study of placement and follow-up programs and incorporated them into a plan for the area vocational school. The project provided a comprehensive program of inservice, materials development, research, teaching, follow-up, and evaluation and organized a model for the coordination of special services activities.

The project enabled the area vocational school to better coordinate a justifiable, reliable, and cost-effective method of screening, placing, and training students in curricular programs.

TITLE: A STUDENT TRACKING PROGRAM FOR POSTSECONDARY VOCATIONAL TECHNICAL EDUCATION

PROJECT #: 80-77-III-2

Vanderburgh County

CONTACT: *George L. Utley*
Indiana Vocational Technical College
3501 First Ave.
Evansville, IN 47710
Phone: (812) 426-2865

BUDGET:

Local	$ 9,950
St/Fed	13,510
Total	$ 23,460

DESCRIPTORS: *criteria, educational accountability, feedback, followup studies, longitudinal studies*

LEVEL(S): *secondary*

PRODUCTS: *final report*

OBJECTIVES:

1. Promote program and support service accountability by developing a student tracking program which provides follow-up data on graduates and nongraduating, nonreturning students.

2. Implement the student tracking program.

PROCEDURES AND OUTCOMES:

Personnel from the college's counseling and placement offices conducted the tracking program. They used a previously developed graduate placement questionnaire to obtain information from graduates, and they developed a nonreturning student follow-up survey form. The questionnaire and survey forms were mailed on a quarterly basis for one year. A second mailing was sent to nonrespondents. Graduates and former students who did not respond to either of the two mailings were contacted by telephone. The project staff compiled and analyzed the graduate placement data and developed a computer program which tabulated the nonreturning students' responses.

This project helped the college determine how many of its former students benefited from their vocational training.

TITLE: MAINTAINING A JOB PLACEMENT SERVICE

PROJECT #: 74-77-III-4

Vigo County

CONTACT: *Carroll G. Shaver*
Indiana Vocational Technical College
R.R. 22, Box 760
Terre Haute, IN 47802
Phone: (812) 299-1121

BUDGET:

Local	$ 17,950
St/Fed	19,144
Total	$ 37,094

DESCRIPTORS: *employment services, job placement, occupational guidance, vocational followup*

LEVEL(S): *postsecondary*

PRODUCTS: *final report*

OBJECTIVES:

1. Expand the existing job placement service to serve not only graduates, but currently enrolled and non-graduating, nonreturning students.
2. Expand the geographical area served by the job placement service.
3. Increase the number of graduates placed in training related jobs.

PROCEDURES AND OUTCOMES:

A full-time placement director and a part-time secretary were hired to analyze and refine the current placement system. The placement director (1) completed graduate and employer follow-up studies, (2) developed a tracking system to determine why students left the college before completing their degrees, (3) developed and implemented a system which helped students find part-time jobs, (4) met with faculty members and learned about the job skills of trained students, and (5) informed area employers and professional groups of the placement service.

The project expanded the college's placement service and provided feedback from former students.

TITLE: VOCATIONAL MODEL FOR HIGH SCHOOLS TO COMPLEMENT AREA VOCATIONAL OPPORTUNITIES

PROJECT #: 6-77-D-1

Henry County

CONTACT: *Thomas R. Crawford*
Chas. A. Beard Memorial School Corp.
19 S. Washington St.
Knightstown, IN 46148
Phone: (317) 345-5153

BUDGET:

Local	$ 1,063
St/Fed	5,000
Total	$ 6,063

DESCRIPTORS: *dropout prevention, followup studies, guidance counseling, manpower needs, occupational information, program coordination, program development*

LEVEL(S): *secondary adult employer*

PRODUCTS: *final report*

OBJECTIVES:

1. Develop and implement model vocational programs for small rural high schools that complement area vocational school programs.
2. Develop and implement a counseling program for potential high school dropouts.
3. Develop and implement a system for making students aware of vocational opportunities available to them.

PROCEDURES:

The project staff developed systems for collecting needs assessment data from former students, business and industry, and currently enrolled students. They evaluated the data collected and used the results to develop and implement a pilot program.

A counseling program was established for students who wanted to withdraw from school. These students were interviewed and their options were discussed. Data were collected from all students involved in the counseling program.

The project staff conducted seminars which outlined the vocational opportunities available at the secondary and postsecondary levels and discussed the advantages of pursuing different vocational opportunities. The impact of these seminars was measured by comparing the programs juniors selected to take next year with juniors' program selections for the last three years.

TITLE: PREPARATION OF SLIDE VISUALS FOR VOCATIONAL EDUCATION CLASSES

PROJECT #: 5-77-C-8

Jackson County

CONTACT: *Robert Myers*
Brownstown Central Comm. School Corp.
500 N. Elm St.
Brownstown, IN 47220
Phone: (812) 358-3032

BUDGET:

Local	$
St/Fed	270
Total	$ 270

DESCRIPTORS: *agricultural education, agricultural production, audiovisual aids, slides*

LEVEL(S): *secondary*

PRODUCTS: *final report slide presentation*

OBJECTIVES:

Produce a slide presentation which identifies the crops grown in the Brownstown area and illustrates the unique agricultural methods used.

PROCEDURES AND OUTCOMES:

The project investigation team visited local farms several times and photographed the crops at different stages of growth. They used the photographs to prepare mounted slides which showed planting procedures, cultivating methods, and harvesting and processing procedures. The slides also illustrated the characteristics of watermelons, cantalopes, sweet corn, pumpkins, squash, tomatoes, and apples.

This project gave students the opportunity to learn about the unique agricultural methods used in the area. Its results will improve local farming.

TITLE: MODIFICATION OF IVTC CURRICULA STRUCTURE

PROJECT #: 6-77-D-10

Marion County

CONTACT: *William Ullery*
Indiana Vocational Technical College
P.O. Box 1763
Indianapolis, IN 46206
Phone: (317) 297-3210

BUDGET:

Local	$ 21,905
St/Fed	18,750
Total	$ 40,655

LEVEL(S): *postsecondary*

DESCRIPTORS: *change strategies, curriculum development, educational change, faculty evaluation, task analysis, technical education, trade and industrial education*

PRODUCTS: *final report*

OBJECTIVES:

Implement the "Plan for Modification of Ivy Tech Curricula Structure" as approved by the president's council on May 17, 1976.

PROCEDURES AND OUTCOMES:

The project obtained task lists from V-TECS and other private and government sources. Curriculum committees composed of faculty members from each IVTC region met in a series of workshops. In the workshops they (1) analyzed course titles to determine if they precisely reflected course content and (2) rewrote course descriptions to reflect the job tasks learned and the basic competencies to be accomplished in each course. The course title analyses and description rewriting were used to document each IVTC course and to develop a new IVTC catalog.

The course title and content analyses enabled IVTC to restructure courses into small modules which make IVTC educational offerings more easily accessible to the adult, part-time, career-oriented student.

TITLE: STANDARD AND OPTIMUM VOCATIONAL TECHNICAL EQUIPMENT REQUIREMENTS AND THEIR ADEQUACY

PROJECT #: 52-77-III-1

Marion County

CONTACT: *Corinne W. Walker*
Indiana Vocational Technical College
P.O. Box 1763
Indianapolis, IN 46206
Phone: (317) 297-3210

BUDGET:

Local	$13,220
St/Fed	10,000
Total	$23,220

DESCRIPTORS: *curriculum development, equipment evaluation, equipment maintenance, equipment standards*

LEVEL(S): *postsecondary*

PRODUCTS: *final report*

OBJECTIVES:

1. Develop and disseminate a plan which lists standard and optimum equipment requirements for vocational training programs.
2. Project what equipment will need to be replaced or purchased in the next five years.
3. Design a continuing equipment inventory program.

PROCEDURES AND OUTCOMES:

The project contacted instructional personnel at each IVTC location, made an inventory of the equipment used in each course, and compiled and disseminated lists of standard and optimum equipment needs. Equipment currently used was inspected for adequacy, and projections of what equipment will be needed to stay abreast of technological advances were made. Equipment used in more than one program was identified. A system for establishing a continuing equipment inventory program was designed.

The equipment lists developed will save time and money when new programs are started or existing programs are improved. The acquisition priority ranking system will enable IVTC to spend available funds where they are needed most.

TITLE: DIFFUSION OF THE COST-EFFECTIVENESS SYSTEM FOR IMPROVING SECONDARY VOCATIONAL PROGRAM MANAGEMENT

PROJECT #: 6-77-D-12

Monroe County

CONTACT: *Jin Eun Kim*
Indiana University
223 S. Jordan
Bloomington, IN 47405
Phone: (812) 337-2513

BUDGET:

Local	$
St/Fed	13,213
Total	$ 13,213

DESCRIPTORS: *cost effectiveness, diffusion, educational planning, information dissemination, institutes (training programs), program planning, vocational high schools*

LEVEL(S): *secondary*

PRODUCTS: *final report technical report**

OBJECTIVES:

1. Review literature on educational innovations and the change process.
2. Develop a framework for the diffusion and adoption of the cost-effectiveness analysis system.
3. Conduct a statewide conference on cost-effectiveness analysis of secondary vocational programs.

PROCEDURES AND OUTCOMES:

Based upon the reviewed literature, a conceptual framework for the diffusion and adoption of the cost-effectiveness analysis system was developed. The cost-effectiveness documents were disseminated through the ERIC system, mailings, publications, and paper presentations. A statewide conference on cost-effectiveness analysis of secondary vocational programs was conducted. An advisory committee comprising three state administrators, four local vocational directors, and one university professor provided the project staff with advice and suggestions in planning and conducting the conference. The committee also reviewed the products of the project.

The diffusion and adoption framework provides a groundwork for diffusing research and development products and evaluating their impact on educational change.

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TITLE: WEST CENTRAL AND RENSSELAER VOCATIONAL DEVELOPMENT PROGRAM

PROJECT #: 5-77-C-3

Pulaski County

CONTACT: *Jerry Hollenbaugh*
West Central School Corp.
P.O. Box 578
Francesville, IN 47946
Phone: (219) 936-2627

BUDGET:

Local	$ 5,200
St/Fed	18,000
Total	$ 23,200

DESCRIPTORS: *curriculum development, manpower needs, student interests, surveys, vocational interests*

LEVEL(S): *secondary*

PRODUCTS: *final report*

OBJECTIVES:

1. Identify regional employment needs.
2. Determine high school students' vocational interests.
3. Develop curricula which will prepare students for available jobs.

PROCEDURES AND OUTCOMES:

The project director identified regional employment needs by surveying the schools in the area and contacting local employers and the Indiana Employment Security Division. Counselors administered vocational interest surveys to all high school students. The data gathered from employers and students were analyzed to determine which curricula needed to be developed.

This project used job market demands and student interests as the basis for curriculum development. It improved students' vocational opportunities.

TITLE: CORRELATION OF LOCAL EMPLOYMENT NEEDS AND VOCATIONAL PROGRAMS

PROJECT #: 5-77-C-15

Tippecanoe County

CONTACT: *Tom Reckerd*
Indiana Vocational Technical College
616 Wabash Ave.
Lafayette, IN 47905
Phone: (317) 423-1533

BUDGET:

Local	$
St/Fed	15,000
Total	$ 15,000

DESCRIPTORS: *employment projections, manpower needs, profile evaluation, program evaluation, skill analysis*

LEVEL(S): *postsecondary employer*

PRODUCTS: *final report*

OBJECTIVES:

1. Develop employment profiles which include information on projected needs, skill and training requirements for job titles, sources of new employees by geographical areas, and retraining requirements.
2. Develop a market share prediction model to determine the number of jobs available to graduates of vocational/technical programs.
3. Identify the job skills developed in vocational/technical programs.
4. Develop a methodology for correlating local employment needs with skills learned in training programs.

PROCEDURES AND OUTCOMES:

The project staff reviewed employment needs survey information. They then developed methodologies and instruments for collecting regional employment needs data.

A review of V-TECS literature was conducted to determine what job skills were currently being taught. A matrix was developed to relate local employment needs with job skills being taught and skills that need to be taught in the future.

The models and methodologies developed by this project can be used to match employment needs with vocational/technical training programs.

TITLE: IVTC, BCSC, IUPUI-COLUMBUS: THEIR MISSIONS, GOALS, RELATIONSHIPS, AND POTENTIAL FOR EXPANDED COOPERATION

PROJECT #: 37-77-D

Bartholomew County

CONTACT: *Harvey S. Poling, Jr.*
Indiana Vocational Technical College
646 Franklin St.
Columbus, IN 47201
Phone: (812) 372-9925

BUDGET:

Local	$
St/Fed	8,360
Total	$ 8,360

LEVEL(S): *secondary*
postsecondary

DESCRIPTORS: *college school cooperation, cooperative planning, interinstitutional cooperation, organizational communication, regional cooperation, relationship, shared services*

PRODUCTS: *final report*

OBJECTIVES:

1. Identify and clarify the missions, goals, and relationships of IVTC-Columbus, Bartholomew Consolidated School Corporation (BCSC), and IUPUI-Columbus to one another and the community.

2. Determine the potential for managing resources cooperatively.

PROCEDURES:

The project was conducted by three co-directors, one from each institution involved. Staff at each institution compiled data on the institution's (1) mission, goals, and objectives, (2) current and projected program areas, (3) student population, (4) geographical areas served, (5) current and projected facilities and equipment, (6) organizational structure, and (7) availability of financial resources. This data was submitted to the project co-directors.

The co-directors analyzed the data to identify (1) things common to the institutions, (2) unique differences, (3) factors of common concern, (4) advantages and disadvantages of increased cooperation, and (5) needs assessment data.

TITLE: THE IMPLEMENTATION OF A REGIONAL PLANNING AND COMMUNICATIONS MODEL

PROJECT #: 84-77-III-1

Floyd County

CONTACT: *Charles E. Fields*
New Albany-Floyd County School Corp.
802 E. Market St.
New Albany, IN 47150
Phone: (812) 945-6681

BUDGET:

Local	$ 3,243
St/Fed	25,070
Total	$ 28,313

DESCRIPTORS: *courses, interagency coordination, organizational communication, regional planning, task analysis, vocational education*

LEVEL(S): *secondary postsecondary adult employer*

PRODUCTS: *final report newsletter*

OBJECTIVES:

1. Improve regional communications pertaining to vocational education.
2. Incorporate vocational education into the region's economic development activities.
3. Broaden the scope of regional communications and planning by helping vocational educators implement a regional planning model.

PROCEDURES AND OUTCOMES:

This project was a continuation of SBVTE project 14-76-D-1. It expanded the original project steering committee to include employers. This committee attended a series of meetings in which vocational educators from different institutions discussed their programs and related them to the educational needs of the region. The regional newsletter *Vocational Views* was continued, and efforts were made to provide assistance to vocational educators who wanted to adopt programs designed to improve regional communications and planning. A regional meeting was conducted to further acquaint employers with the training opportunities in the area.

The project promoted cooperative use of each school's facilities and equipment and improved communication among school personnel.

TITLE: DEVELOPMENT OF COMMUNICATIONS SYSTEMS BETWEEN VOCATIONAL EDUCATORS, STUDENTS, AND EMPLOYERS

PROJECT #: 5-77-C-6

Madison County

CONTACT: *Delbert E. Lewis*
John H. Hinds Area Vocational School
R.R. 4, N. 19th St.
Elwood, IN 46036
Phone: (317) 522-9881

BUDGET:

Local	$
St/Fed	5,800
Total	$ 5,800

DESCRIPTORS: *instructional media, jobs, school industry relationship, telecommunication, video cassette systems, video tape recordings, vocational education*

LEVEL(S): *secondary postsecondary adult*

PRODUCTS: *final report video tapes*

OBJECTIVES:

Develop video tapes which improve communication between vocational educators, students, and employers.

PROCEDURES AND OUTCOMES:

The project advisory committee helped the project staff select job sites for taping. Cooperating employers allowed the project staff to video tape job activities at actual job sites. The video tapes were field tested on employers, instructors, counselors, and former students, who are now employers, to determine their effectiveness. After field testing, multiple copies of the tapes were produced, and the tapes were cataloged by vocational area. Listings and duplicate copies of the tapes were given to the SBVTE for statewide distribution on a loan basis.

The tapes developed by this project inform vocational educators, students, and employers of job needs, necessary skill training, and job placement.

TITLE: SLIDE/TAPE COMMUNICATION PRESENTATION FOR MADISON, GRANT, AND TIPTON COUNTIES

PROJECT #: 85-77-III-1

Madison County

CONTACT: *Delbert E. Lewis*
John H. Hinds Area Vocational School
R.R. 4, N. 19th St.
Elwood, IN 46036
Phone: (317) 522-9881

BUDGET:

Local	$ 300
St/Fed	3,187
Total	$ 3,487

DESCRIPTORS: *audiovisual aids, educational opportunities, phototape recordings, publicize, regional schools, slides, vocational education*

LEVEL(S): *secondary postsecondary adult employer*

PRODUCTS: *final report slide/tape presentation*

OBJECTIVES:

1. Inform residents, businesses, and industries of the philosophy and purposes of vocational education.
2. Educate the public about the vocational training programs available in the tri-county area.
3. Help vocational students develop communication skills by involving them in the production of the slide/tape presentation.

PROCEDURES AND OUTCOMES:

A slide/tape presentation was made by taking pictures of actual activities in area schools and feeder schools in the tri-county area. Copies of the final project were placed in each of the four schools involved in the presentation, and a loan copy was available from John H. Hinds Area Vocational School. The presentation was presented to students, their parents, businesses, industries, and civic and fraternal organizations in an effort to inform them of the philosophy and purposes of vocational education and the vocational training programs available through schools in the tri-county area.

The project gathered a clear understanding of and enthusiasm and support for vocational education in the tri-county area.

TITLE: INSTRUMENTATION FOR THE GENERALIZABLE EVALUATION MODEL FOR VOCATIONAL TEACHER EDUCATION

PROJECT #: 5-77-C-14

Monroe County

CONTACT: *Thomas R. White*
Indiana University
School of Education, Rm. 216
Bloomington, IN 47405
Phone: (812) 337-8104

BUDGET:

Local	$
St/Fed	14,979
Total	$ 14,979

DESCRIPTORS: *evaluation methods, inservice teacher education, instrumentation, program development, teacher education, teaching models, vocational education teachers*

LEVEL(S): *postsecondary*

PRODUCTS: *final report*

OBJECTIVES:

The overall purpose of this project, conducted jointly with Purdue University (see #5-77-C-16, p. 73), was to continue to develop a model for evaluating vocational teacher education. The specific objectives were to:

1. Develop, validate, and field test instruments which measure the objectives identified in the model.

2. Develop procedures for implementing the model.

PROCEDURES:

The project staff developed research and development and service instruments. The project advisory committee reviewed the instruments and validated them for process and product criteria. The instruments were field tested on teacher education programs statewide. The field test results were compiled and analyzed, and the instruments were refined.

The instruments were packaged as a manual. The implementation mechanisms were developed in a position paper. Both products were discussed at a dissemination conference.

TITLE: THE CONTINUATION AND EXPANSION OF A RESEARCH AND DEVELOPMENT INFORMATION SYSTEM

PROJECT #: 82-77-III-12

Monroe County

CONTACT: *JoAnn Brooks*
Indiana University
Main Library, W501
Bloomington, IN 47405
Phone: (812) 337-6711

BUDGET:

Local	$
St/Fed	64,220
Total	$ 64,220

DESCRIPTORS: *educational research, information dissemination, information processing, information services, newsletters, publications, technical reports, vocational education*

LEVEL(S): *secondary postsecondary adult*

PRODUCTS: *final report technical reports newsletter*

OBJECTIVES:

1. Develop a system for acquiring, organizing, storing, and disseminating research and development information which will meet the identified needs of vocational educators in Indiana.

2. Catalog and store reports and products which were produced in or received by the state.

3. Continue to abstract, synthesize, edit, and disseminate information about Indiana research and development efforts.

PROCEDURES AND OUTCOMES:

The project's information specialist conducted a user needs study which helped identify the needs of vocational educators in Indiana. She then analyzed the components of comprehensive, multifunctional information system, including criteria and methods of selection, acquisition, organization, storage, retrieval, and dissemination, and developed a plan for implementing Indiana's information organization and retrieval service. The project's editor identified topics, selected, revised, and edited materials and produced eight technical reports and four issues of the project newsletter *Communique*. The products developed were disseminated in bulk mailings to appropriate state and national target audiences.

This project enabled the state to extend its services and provide for a more informed and involved population of vocational educators.

TITLE: IMPACTS OF VOCATIONAL EDUCATION RESEARCH AND DEVELOPMENT PRODUCTS IN INDIANA

PROJECT #: 90-77-III-1

Monroe County

CONTACT: *Jin Eun Kim*
Indiana University
223 S. Jordan
Bloomington, IN 47405
Phone: (812) 337-2513

BUDGET:

Local	$
St/Fed	18,841
Total	$ 18,841

DESCRIPTORS: *adoption (ideas), demonstration programs, diffusion, evaluation, program evaluation, research projects*

LEVEL(S): *secondary*
postsecondary

PRODUCTS: *final report*

OBJECTIVES:

1. Develop a framework for assessing research and development projects.
2. Analyze inputs to research and development activities by program areas.
3. Evaluate the quality of research and development products.
4. Identify diffusion and adoption rates.
5. Assess impacts of adopted research and development products.

PROCEDURES AND OUTCOMES:

The project (1) reviewed related evaluation studies, (2) developed an evaluation framework, (3) examined official records on research and development projects, (4) organized a panel to review the research and development products, (5) developed and mailed instruments, (6) visited field sites, and (7) analyzed the data collected.

The project developed a framework and a cross-sectional profile for funded projects which can be used in evaluating and managing research and development projects. Information on the quality, diffusion, and adoption status, and impact analysis of funded projects will be helpful in developing strategies to increase effectiveness, efficiency, and use of products.

TITLE: EVALUATION OF VOCATIONAL-TECHNICAL EDUCATION--PHASE III

PROJECT #: 83-77-III-2

Montgomery County

CONTACT: *Fred B. Gannon*
New Educational Directions, Inc.
P.O. Box 307
Crawfordsville, IN 47933
Phone: (317) 362-8877

BUDGET:

Local	$
St/Fed	6,928
Total	$ 6,928

DESCRIPTORS: *evaluation methods, feedback, program evaluation, team training, vocational education*

LEVEL(S): *secondary postsecondary adult*

PRODUCTS: *final report*

OBJECTIVES:

Refine and manage vocational-technical feedback systems at the state and local levels.

PROCEDURES AND OUTCOMES:

The project revised presently used evaluation systems and recruited evaluation team leaders and members. The teams were trained to use and implement the evaluation system so they could manage the internal evaluation process. Local vocational educators were also taught to use the internal evaluation system.

The project developed a refined evaluation system which can be efficiently and cost-effectively implemented. Use of the evaluation system will help improve vocational-technical education at the state and local levels.

TITLE: INDIANA VOCATIONAL-TECHNICAL EDUCATION RESEARCH AND SERVICE CENTER--TASK I

PROJECT #: 91-77-III-1

Montgomery County

CONTACT: *Fred B. Gannon*
New Educational Directions, Inc.
P.O. Box 307
Crawfordsville, IN 47933
Phone: (317) 362-8877

BUDGET:

Local	$ 2,674
St/Fed	19,900
Total	$ 22,574

DESCRIPTORS: *demonstration projects, evaluation, objectives, program proposals, research projects, research proposals*

LEVEL(S): *secondary postsecondary adult*

PRODUCTS: *final report*

OBJECTIVES:

1. Analyze the extent to which SBVTE projects funded during fiscal years 1976 and 1977 with parts C and D monies completed the objectives stated in the funding proposals.

2. Identify characteristics common to projects which completed the stated objectives.

3. Identify characteristics common to projects which did not complete the stated objectives.

PROCEDURES AND OUTCOMES:

Two reviewers analyzed each of the documents and products produced by the approximately 150 projects funded in 1976 and 1977 with parts C and D monies. The analysis procedure was a seven-step process which began with obtaining proposals, products, etc., and ended with a review of the projects' final reports. When the two primary reviewers disagreed as to whether the objectives had been completed, an arbitration analysis was conducted by a third reviewer. The project provided the SBVTE with a report summarizing the extent to which projects funded met funding obligations by meeting the objectives stated in the proposal.

The information which this project provided to the SBVTE will be helpful in making future funding decisions.

TITLE: A NORMATIVE STUDY OF INDIANA STUDENTS JTILIZING THE V.I.S.I.O.N. TEST

PROJECT #: 6-77-D-13

St. Joseph County

CONTACT: *Gerald O. Dudley*
Indiana Career Resource Center
1201-09 S. Greenlawn Ave.
South Bend, IN 46615
Phone: (219) 289-2851

BUDGET:

Local	$
St/Fed	14,970
Total	$ 14,970

DESCRIPTORS: *filmstrips, magnetic tape cassette recorders, norms, occupational tests, test results, test scoring machines*

LEVEL(S): *secondary*

PRODUCTS: *final report filmstrip/cassette*

OBJECTIVES:

1. Produce a filmstrip version of the V.I.S.I.O.N. test.
2. Produce a machine and hand scorable answer and interpretation form for V.I.S.I.O.N.
3. Administer the test to a large student sample and report the results.

PROCEDURES:

V.I.S.I.O.N. is a series of 35mm slides depicting over 200 workers in their job environments. These color slides are arranged in a manner that allows the test taker to make choices between pairs of contrasting job environments. The validated slide/sound version of V.I.S.I.O.N. was reproduced in filmstrip/cassette format. The answer/report form was converted to a machine scorable format for ease in data gathering, scoring, analyzing, and reporting. Each school corporation in the center's region was assigned a number and categorized by student body size, school geography, and economic base. From this stratifying, a random sample was drawn and invited to participate in the study. Data collection proceeded after permission was obtained from the sample schools to provide an orientation of the process to responsible persons in each location. Testing was conducted either by center personnel or educators at the test sites. The results from sample schools were reported in normative table fashion and made available to counselors and teachers.

TITLE: CONTINUATION OF CAREER RESOURCE CENTER

PROJECT #: 38-77-D-2

St. Joseph County

CONTACT: *Gerald O. Dudley*
Indiana Career Resource Center
1201-09 S. Greenlawn Ave.
South Bend, IN 46615
Phone: (219) 289-2851

BUDGET:

Local	$
St/Fed	20,522
Total	$ 20,522

DESCRIPTORS: *career exploration, inservice programs, instructional materials center, mobile educational services, occupational guidance, staff improvement, vocational counseling*

LEVEL(S): *secondary postsecondary adult*

PRODUCTS: *final report*

OBJECTIVES:

1. Conduct inservice career education staff development presentations.
2. Display and disseminate media resources.

PROCEDURES AND OUTCOMES:

Workshops emphasizing vocational career exploration techniques were delivered to educator and noneducator groups who were contacted by phone or letter. The center accomplished its first objective by conducting (1) 14 presentations for faculty groups at all educational levels, (2) nine presentations for nonschool groups, (3) four presentations at conferences and conventions, and (4) 21 presentations for vocational educator groups. The second objective was accomplished by (1) making six mobile training unit visits to explain career media use, (2) conducting 14 presentations on media at the center, and (3) filling 60 requests for media loans.

The center helps students and educators at all education levels understand work and enhance their abilities, interests, and needs.

TITLE: PROJECT FOR VOCATIONAL EXPLORATION IN-SERVICE WITH INDIANA COUNSELORS AND INSTRUCTORS

PROJECT #: 88-77-III-4

St. Joseph County

CONTACT: *Gerald O. Dudley*
Indiana Career Resource Center
1201-09 S. Greenlawn Ave.
South Bend, IN 46615
Phone: (219) 289-2851

BUDGET:

Local	$
St/Fed	115,000
Total	$ 115,000

DESCRIPTORS: *career education, delivery systems, information dissemination, inservice programs, organizational communication, resource centers*

LEVEL(S): *secondary postsecondary adult*

PRODUCTS: *final report newsletter*

OBJECTIVES:

1. Conduct inservice career education staff development presentations.
2. Display and disseminate media resources.
3. Lend library materials, media, and equipment.
4. Inform educators of promising practices.

PROCEDURES:

Brochures offering workshop presentations on vocational career exploration techniques were sent to educator groups in northwestern Indiana. This effort resulted in (1) 85 presentations to faculty groups at all educational levels, (2) 50 presentations to nonschool groups, (3) 25 presentations at conferences and conventions, and (4) 40 presentations to vocational educator groups. The mobile training unit was converted into a self-learning lab and was used to display and disseminate media resources. By making 50 mobile training unit visits to explain career media use and giving 30 media use presentations to groups at the center, the staff accomplished objective two. Objective three was met by lending materials in response to 400 requests and producing 2,000 annotated bibliographies. Eight issues of the center's newsletter *Career Digest* were published and disseminated to inform educators of promising practices.

TITLE: INSTRUMENT DEVELOPMENT FOR GENERALIZABLE EVALUATION MODEL FOR VOCATIONAL TEACHER EDUCATION

PROJECT #: 5-77-C-16

Tippecanoe County

CONTACT: *Charles E. Kline*
Purdue University
South Campus Courts-F
West Lafayette, IN 47907
Phone: (317) 479-8386

BUDGET:

Local	$
St/Fed	14,979
Total	$ 14,979

DESCRIPTORS: *evaluation methods, inservice teacher education, instrumentation, program development, teacher education, teaching models, vocational education teachers*

LEVEL(S): *postsecondary*

PRODUCTS: *final report*

OBJECTIVES:

The overall purpose of this project, conducted jointly with Indiana University (see #5-77-C-14, p. 65), was to continue to develop a model for evaluating vocational teacher education. The specific objectives were to:

1. Develop, validate, and field test instruments which measure the objectives identified in the model.

2. Develop procedures for implementing the model.

PROCEDURES:

The project staff developed instruction and service instruments. The project advisory committee reviewed the instruments and validated them for process and product criteria. The instruments were field tested on teacher education programs statewide. The field test results were compiled and analyzed and the instruments were refined.

The instruments were packaged as a manual. The implementation mechanisms were developed in a position paper. Both products were discussed at a dissemination conference.

TITLE: A MULTI-MEDIA APPROACH TO INCREASING COMMUNICATION OF VOCATIONAL EDUCATION IN INDIANA

PROJECT #: 87-77-III-1

Tippecanoe County

CONTACT: *Barbara A. Moore*
Purdue University
Vocational Teacher Training, SCC-F
West Lafayette, IN 47907
Phone: (317) 494-8026

BUDGET:

Local	$
St/Fed	13,587
Total	$ 13,587

DESCRIPTORS: *audiovisual aids, educational opportunities, pamphlets, phonotape recordings, publicize, slides, vocational education*

LEVEL(S): *secondary*

PRODUCTS: *final report*
handbook
slide/tape presentation

OBJECTIVES:

1. Develop a handbook which clearly and simply informs local administrators, guidance counselors, and teachers about vocational education.

2. Develop a slide/tape presentation to complement the handbook.

PROCEDURES AND OUTCOMES:

The project staff (1) selected an advisory committee, (2) reviewed related literature, (3) developed the handbook and the slide/tape presentation, and (4) field tested and refined the handbook and the presentation.

The materials developed provided a common knowledge base of vocational education and increased communication between vocational and nonvocational educators in Indiana. They can be used in inservice education of school personnel and to inform parents, students, and community businesses of vocational education.

TITLE: CONTINUATION OF CAREER RESOURCE CENTER

PROJECT #: 38-77-D-1

Vanderburgh County

CONTACT: *Davis Cunningham*
Indiana Vocational Technical College
3501 First Ave.
Evansville, IN 47710
Phone: (812) 426-2865

BUDGET:

Local	$
St/Fed	5,138
Total	$ 5,138

DESCRIPTORS: *career education, inservice teacher education*

LEVEL(S): *secondary postsecondary adult*

PRODUCTS: *final report*

OBJECTIVES:

1. Implement a systematic articulated comprehensive program in schools which request career information and assistance through a three-stage program.

2. Make consultation visits to schools and community organizations for the purposes of creating awareness and implementing career education programs.

3. Provide a minimum of 40 inservice training sessions to schools and community organizations to promote the concept of career education.

PROCEDURES AND OUTCOMES:

This project was a continuation of SBVTE project 5-76T-D. It used five methods to promote career education: (1) inservice education of teachers, counselors, and materials, (2) materials library, (3) a mobile unit, (4) newsletters, and (5) test instruments; e.g., Student Career Orientation Profile (SCOP).

The project helped implement career education and vocational education concepts into the curricula and educational programs of schools in the southern half of Indiana, the project's service area.

TITLE: PLAN FOR A MULTI-COUNTY VOCATIONAL EDUCATION COMMUNICATIONS CENTER

PROJECT #: 86-77-III-1

Vanderburgh County

CONTACT: *George L. Utley*
Indiana Vocational Technical College
3501 First Ave.
Evansville, IN 47710
Phone: (812) 426-2865

BUDGET:

Local	$ 11,220
St/Fed	10,000
Total	$ 21,220

DESCRIPTORS: *organizational communication, public relations, publicize, regional schools, vocational education, vocational schools*

LEVEL(S): *secondary postsecondary adult employer*

PRODUCTS: *final report*

OBJECTIVES:

Inform the publics served by area educational institutions of the programs and services offered by the center.

PROCEDURES:

In order to better inform publics, a central office was established. This office (1) collected and disseminated unbiased information about area vocational education opportunities, (2) helped depict vocational education as a v able alternative in the area of higher education, and (3) helped define the meaning of vocational education and explain where, when, and to whom it was offered.

TITLE: CAREERS RESOURCE PROJECT

PROJECT #: 89-77-III-4

Vanderburgh County

CONTACT: *Davis Cunningham*
Indiana Vocational Technical College
3501 First Ave.
Evansville, IN 47710
Phone: (812) 426-2865

BUDGET:

Local	$
St/Fed	115,000
Total	$ 115,000

DESCRIPTORS: *career awareness, career education, inservice teacher education, mobile educational services, rural schools, vocational counseling*

LEVEL(S): *secondary postsecondary adult*

PRODUCTS: *final report*

OBJECTIVES:

Make materials and consultants available to educators so they can include career activities in curricula.

PROCEDURES AND OUTCOMES:

The Careers Resource Project used six methods: (1) in-service education of teachers, counselors, and administrators, (2) materials library, (3) a mobile unit, (4) newsletters, (5) test instruments; e.g., Student Career Orientation Profile (SCOP), and (6) vocational counseling.

The project helped implement career education and vocational education concepts into the curricula and educational programs of schools in the southern half of Indiana, the project's service area.

TITLE: INDIANA CURRICULUM MATERIALS CENTER

PROJECT #: 54-77-III-3

Vigo County

CONTACT: *Ivan Simmons*
Indiana State University
Ind. Curric. Materials Ctr., TAW 200
Terre Haute, IN 47809
Phone: (812) 232-6311 ext. 5884/5885

BUDGET:

Local	$
St/Fed	154,207
Total	$ 154,207

DESCRIPTORS: *audiovisual aids, curriculum, information dissemination, information services, inservice teacher education, printing, vocational education*

LEVEL(S): *secondary postsecondary adult*

PRODUCTS: *final report*

OBJECTIVES:

1. Support curriculum development statewide.
2. Collect, catalog, and disseminate curriculum, loan library, and media materials.
3. Duplicate and print materials as requested by the SBVTE.

PROCEDURES:

The ICMC staff met with Division of Vocational Education (DVE) and SBVTE staff members and vocational education field specialists to discuss curriculum needs and concerns and to identify materials the center should acquire. The center's program area specialists collected and cataloged instructional materials which support vocational education curriculum development. The center maintained a library of printed and audiovisual curriculum materials and disseminated library materials on a loan basis.

Duplicating, printing, and disseminating services were provided to SBVTE-funded projects and the DVE and SBVTE staffs.

The ICMC made curriculum materials more accessible to vocational educators.

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